

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: P203613

Luminaire Tested: **MRI-DRV-FLD6C-15-L927 F6LC-W-X-LI**

Issue Date: 08/03/2023



**Test Information**

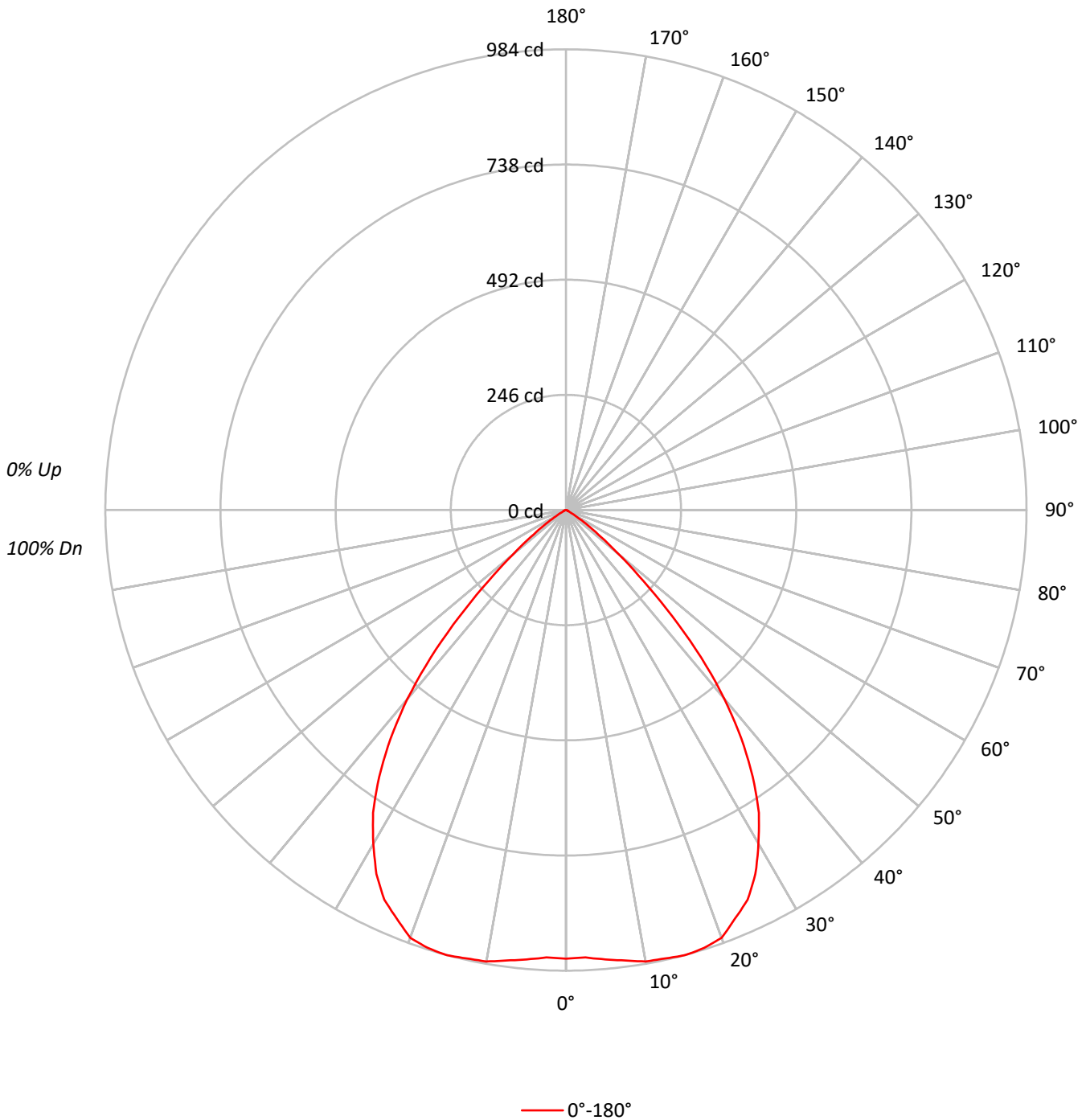
Test Method: LM-79-08  
Report Number: P203613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 08/03/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MRI-DRV-FLD6C-15-L927 F6LC-W-X-LI  
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 2700K, 90 CRI  
LEDS, 6LBWLI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1534.0 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
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  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 99  | 100 | 98  | 97  | 96  | 95  | 94  | 92  | 92  | 92  |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 83  | 83  | 83  |
| 3   | 100 | 92  | 87  | 82  | 97  | 91  | 86  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 77  | 76  | 76  | 76  |
| 4   | 93  | 85  | 78  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 70  | 69  | 69  | 69  |
| 5   | 88  | 78  | 71  | 66  | 86  | 77  | 71  | 66  | 75  | 70  | 65  | 73  | 69  | 65  | 72  | 68  | 64  | 63  | 63  | 63  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 57  | 57  | 57  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  | 52  | 52  |
| 8   | 73  | 62  | 55  | 50  | 71  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 49  | 48  | 48  | 48  |
| 9   | 69  | 57  | 51  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 44  | 44  | 44  |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 51  | 46  | 42  | 41  | 41  | 41  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 52534 |
| 5°  | 53021 |
| 10° | 54508 |
| 15° | 55869 |
| 20° | 56717 |
| 25° | 55546 |
| 30° | 52078 |
| 35° | 46558 |
| 40° | 37714 |
| 45° | 24948 |
| 50° | 12605 |
| 55° | 5324  |
| 60° | 1710  |
| 65° | 675   |
| 70° | 561   |
| 75° | 381   |
| 80° | 0     |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 92.5   | 6.0       |
| 10°-20°   | 277.9  | 18.1      |
| 20°-30°   | 418.9  | 27.3      |
| 30°-40°   | 428.7  | 27.9      |
| 40°-50°   | 249.8  | 16.3      |
| 50°-60°   | 57.4   | 3.7       |
| 60°-70°   | 7.0    | 0.5       |
| 70°-80°   | 1.9    | 0.1       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 789.2  | 51.4      |
| 0°-40°    | 1218.0 | 79.4      |
| 0°-60°    | 1525.1 | 99.4      |
| 0°-90°    | 1534.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1534.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 958 |      |
| 5°  | 964 | 92   |
| 15° | 984 | 278  |
| 25° | 918 | 419  |
| 35° | 696 | 429  |
| 45° | 322 | 250  |
| 55° | 56  | 57   |
| 65° | 5   | 7    |
| 75° | 2   | 2    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 958.3 |
| 2.5°  | 956.6 |
| 5°    | 963.5 |
| 7.5°  | 970.5 |
| 10°   | 979.2 |
| 12.5° | 980.9 |
| 15°   | 984.4 |
| 17.5° | 980.9 |
| 20°   | 972.2 |
| 22.5° | 944.4 |
| 25°   | 918.3 |
| 27.5° | 876.6 |
| 30°   | 822.7 |
| 32.5° | 767.0 |
| 35°   | 695.7 |
| 37.5° | 615.7 |
| 40°   | 527.0 |
| 42.5° | 427.8 |
| 45°   | 321.8 |
| 47.5° | 224.3 |
| 50°   | 147.8 |
| 52.5° | 93.9  |
| 55°   | 55.7  |
| 57.5° | 29.6  |
| 60°   | 15.6  |
| 62.5° | 8.7   |
| 65°   | 5.2   |
| 67.5° | 5.2   |
| 70°   | 3.5   |
| 72.5° | 1.8   |
| 75°   | 1.8   |
| 77.5° | 1.8   |
| 80°   | 0.0   |
| 82.5° | 0.0   |
| 85°   | 0.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)