

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: P204163

Luminaire Tested: **MRI-DRV-FLD6C-25-L927 F6LC-M-X-H**

Issue Date: 08/03/2023



**Test Information**

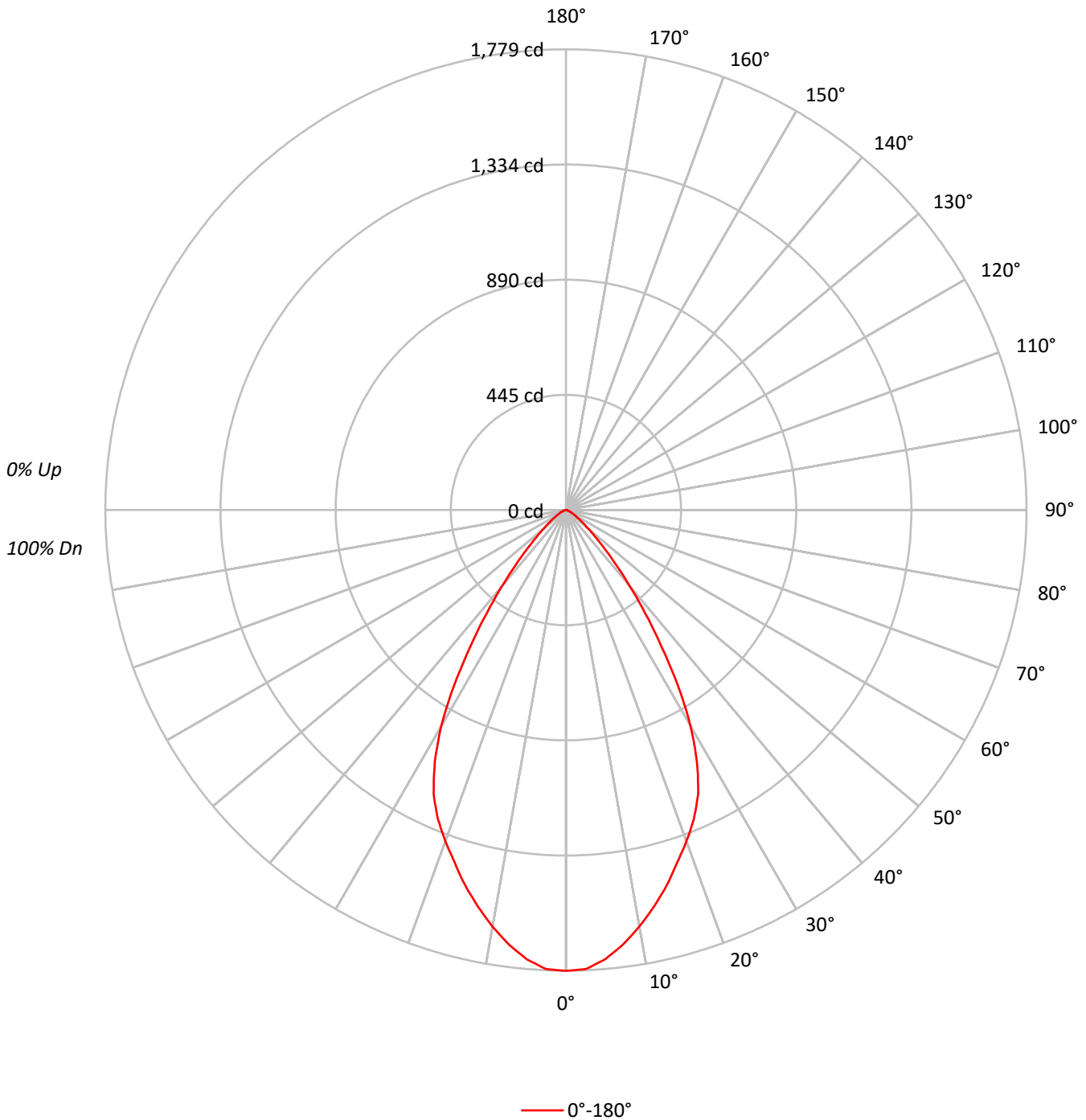
Test Method: LM-79-08  
Report Number: P204163  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 08/03/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MRI-DRV-FLD6C-25-L927 F6LC-M-X-H  
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 2700K, 90 CRI  
LEDS, 6LBMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1798.0 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
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  |     |    |    | 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 |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 95  | 94  | 92  |    |    | 92  |
| 2   | 107 | 102 | 97  | 93  | 105 | 100 | 96  | 92  | 97  | 93  | 90  | 94  | 91  | 88  | 91  | 89  | 87  | 85  |    |    | 85  |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 88  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 78  |    |    | 78  |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  | 82  | 78  | 74  | 80  | 76  | 73  | 72  |    |    | 72  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 66  |    |    | 66  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    | 61  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 57  |    |    | 57  |
| 8   | 76  | 66  | 60  | 55  | 75  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 54  | 53  |    |    | 53  |
| 9   | 72  | 62  | 56  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |    |    | 49  |
| 10  | 69  | 58  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 55  | 51  | 48  | 46  |    |    | 46  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 97547 |
| 5°  | 95801 |
| 10° | 90908 |
| 15° | 85245 |
| 20° | 79387 |
| 25° | 73147 |
| 30° | 60952 |
| 35° | 42958 |
| 40° | 27380 |
| 45° | 16327 |
| 50° | 9637  |
| 55° | 6136  |
| 60° | 4221  |
| 65° | 2996  |
| 70° | 2068  |
| 75° | 1631  |
| 80° | 789   |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 162.7  | 9.0       |
| 10°-20°   | 420.9  | 23.4      |
| 20°-30°   | 545.3  | 30.3      |
| 30°-40°   | 404.9  | 22.5      |
| 40°-50°   | 170.9  | 9.5       |
| 50°-60°   | 60.7   | 3.4       |
| 60°-70°   | 23.4   | 1.3       |
| 70°-80°   | 8.1    | 0.5       |
| 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°    | 1128.9 | 62.8      |
| 0°-40°    | 1533.8 | 85.3      |
| 0°-60°    | 1765.4 | 98.2      |
| 0°-90°    | 1798.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1798.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1779 |      |
| 5°  | 1741 | 163  |
| 15° | 1502 | 421  |
| 25° | 1209 | 545  |
| 35° | 642  | 405  |
| 45° | 211  | 171  |
| 55° | 64   | 61   |
| 65° | 23   | 23   |
| 75° | 8    | 8    |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 1779.4 |
| 2.5°  | 1774.2 |
| 5°    | 1740.9 |
| 7.5°  | 1692.0 |
| 10°   | 1633.1 |
| 12.5° | 1568.8 |
| 15°   | 1502.0 |
| 17.5° | 1427.6 |
| 20°   | 1360.8 |
| 22.5° | 1291.5 |
| 25°   | 1209.3 |
| 27.5° | 1096.3 |
| 30°   | 962.9  |
| 32.5° | 806.2  |
| 35°   | 641.9  |
| 37.5° | 503.3  |
| 40°   | 382.6  |
| 42.5° | 285.0  |
| 45°   | 210.6  |
| 47.5° | 154.0  |
| 50°   | 113.0  |
| 52.5° | 84.7   |
| 55°   | 64.2   |
| 57.5° | 48.7   |
| 60°   | 38.5   |
| 62.5° | 28.3   |
| 65°   | 23.1   |
| 67.5° | 17.9   |
| 70°   | 12.9   |
| 72.5° | 10.2   |
| 75°   | 7.7    |
| 77.5° | 5.2    |
| 80°   | 2.5    |
| 82.5° | 2.5    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)