

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: P204173

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

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P204173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
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-LI
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 2700K, 90 CRI
LEDS, 6LBMLI TRIM
Light Source: -
Ballast/Driver: -

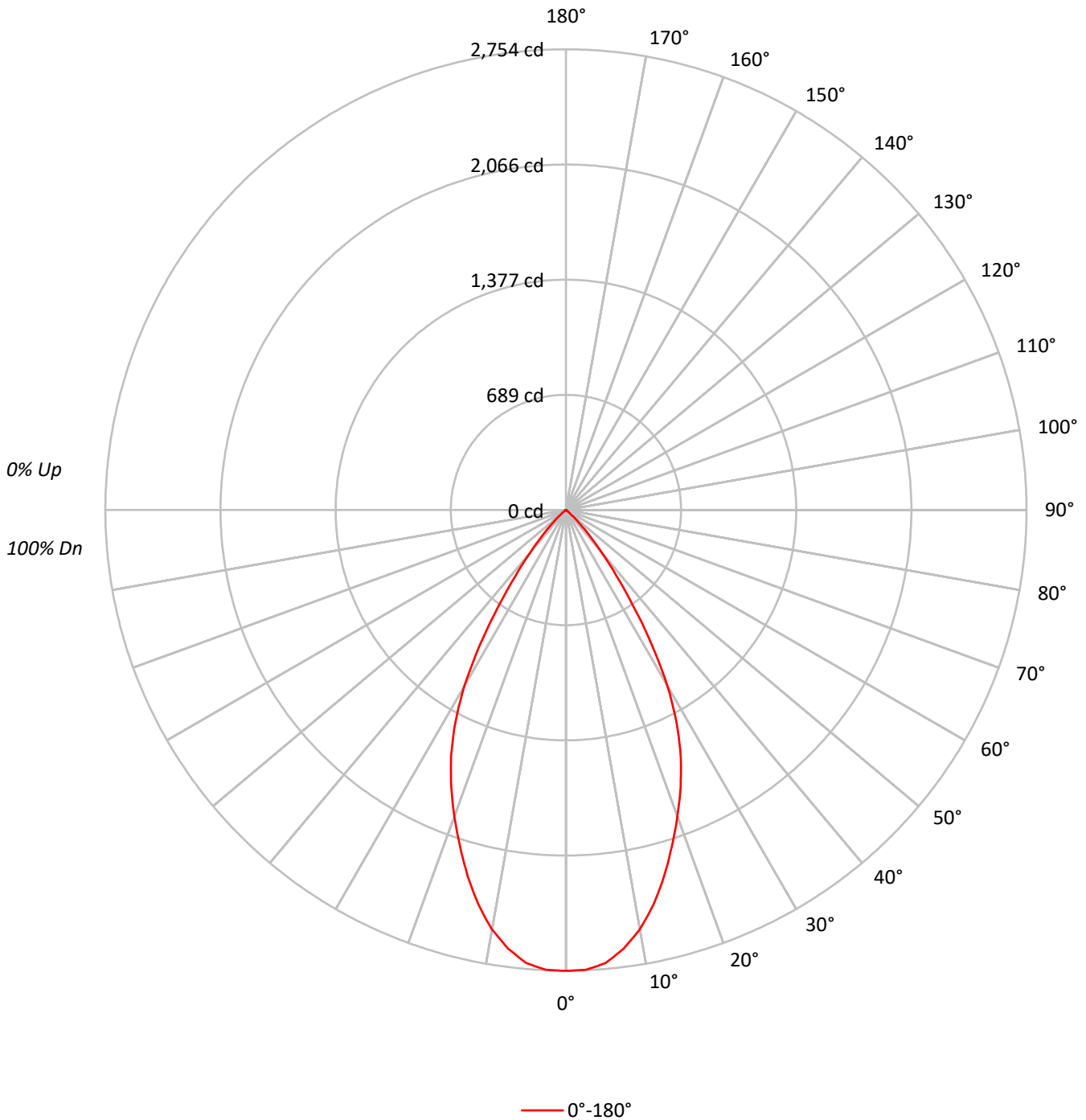
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2201.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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

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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 | 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 | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 108 | 103 | 100 | 96 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 95 | 91 | 87 | 93 | 89 | 86 | 90 | 87 | 85 | 88 | 85 | 83 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 85 | 81 | 96 | 89 | 84 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 83 | 80 | 78 | 76 | 76 | 76 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 79 | 75 | 82 | 78 | 74 | 81 | 77 | 73 | 79 | 76 | 73 | 71 | 71 | 71 | 71 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 67 | 67 | 67 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 75 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 80 | 71 | 65 | 61 | 79 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 60 | 67 | 63 | 60 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 61 | 57 | 75 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 64 | 60 | 57 | 55 | 55 | 55 | 55 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 62 | 57 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 52 | 52 | 52 | 52 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 150997 |
| 5° | 149565 |
| 10° | 141725 |
| 15° | 128673 |
| 20° | 113702 |
| 25° | 98298 |
| 30° | 76841 |
| 35° | 47121 |
| 40° | 24188 |
| 45° | 9606 |
| 50° | 3121 |
| 55° | 1070 |
| 60° | 921 |
| 65° | 739 |
| 70° | 449 |
| 75° | 593 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 253.7 | 11.5 |
| 10°-20° | 631.7 | 28.7 |
| 20°-30° | 734.4 | 33.4 |
| 30°-40° | 449.7 | 20.4 |
| 40°-50° | 111.7 | 5.1 |
| 50°-60° | 13.0 | 0.6 |
| 60°-70° | 4.9 | 0.2 |
| 70°-80° | 1.8 | 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° | 1619.9 | 73.6 |
| 0°-40° | 2069.6 | 94.0 |
| 0°-60° | 2194.3 | 99.7 |
| 0°-90° | 2201.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2201.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 2754 | |
| 5° | 2718 | 254 |
| 15° | 2267 | 632 |
| 25° | 1625 | 734 |
| 35° | 704 | 450 |
| 45° | 124 | 112 |
| 55° | 11 | 13 |
| 65° | 6 | 5 |
| 75° | 3 | 2 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|--------|
| 0° | 2754.4 |
| 2.5° | 2751.6 |
| 5° | 2717.9 |
| 7.5° | 2644.6 |
| 10° | 2546.0 |
| 12.5° | 2416.5 |
| 15° | 2267.2 |
| 17.5° | 2106.7 |
| 20° | 1949.0 |
| 22.5° | 1791.2 |
| 25° | 1625.1 |
| 27.5° | 1433.6 |
| 30° | 1213.9 |
| 32.5° | 957.6 |
| 35° | 704.1 |
| 37.5° | 495.7 |
| 40° | 338.0 |
| 42.5° | 211.2 |
| 45° | 123.9 |
| 47.5° | 70.4 |
| 50° | 36.6 |
| 52.5° | 16.9 |
| 55° | 11.2 |
| 57.5° | 8.4 |
| 60° | 8.4 |
| 62.5° | 5.7 |
| 65° | 5.7 |
| 67.5° | 2.8 |
| 70° | 2.8 |
| 72.5° | 2.8 |
| 75° | 2.8 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)