

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: P203283

Luminaire Tested: **MRI-DRV-FLD6C-10-L927 F6LC-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P203283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
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-10-L927 F6LC-N-X-H
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 2700K, 90 CRI
LEDS, 6LBNH TRIM
Light Source: -
Ballast/Driver: -

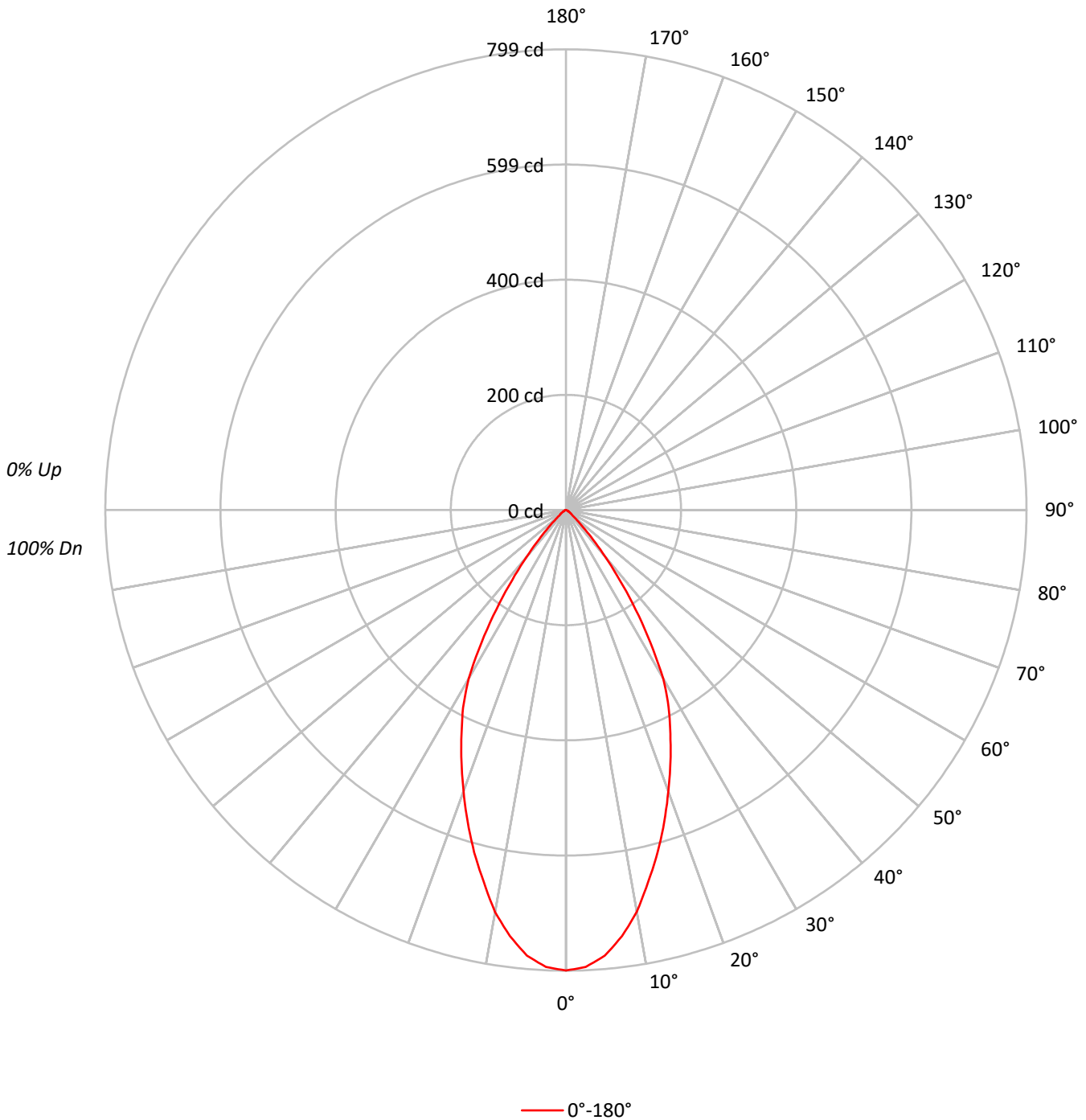
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.75
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





TEST NUMBER: P203283
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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 | 113 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 | 93 | 93 | 93 | 93 |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 94 | 98 | 95 | 92 | 95 | 93 | 90 | 92 | 90 | 89 | 87 | 87 | 87 | 87 |
| 3 | 102 | 96 | 91 | 87 | 100 | 95 | 90 | 86 | 92 | 88 | 85 | 90 | 86 | 84 | 87 | 85 | 82 | 81 | 81 | 81 | 81 |
| 4 | 97 | 90 | 84 | 80 | 95 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 78 | 83 | 79 | 77 | 75 | 75 | 75 | 75 |
| 5 | 92 | 84 | 78 | 74 | 91 | 83 | 78 | 73 | 81 | 76 | 73 | 80 | 75 | 72 | 78 | 74 | 72 | 70 | 70 | 70 | 70 |
| 6 | 88 | 79 | 73 | 69 | 86 | 78 | 72 | 68 | 77 | 72 | 68 | 75 | 71 | 67 | 74 | 70 | 67 | 65 | 65 | 65 | 65 |
| 7 | 83 | 74 | 68 | 64 | 82 | 73 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 61 | 61 | 61 | 61 |
| 8 | 79 | 70 | 64 | 60 | 78 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 63 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 |
| 9 | 76 | 66 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 56 | 63 | 59 | 55 | 54 | 54 | 54 | 54 |
| 10 | 72 | 62 | 57 | 53 | 71 | 62 | 57 | 53 | 61 | 56 | 53 | 60 | 56 | 52 | 60 | 55 | 52 | 51 | 51 | 51 | 51 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 43779 |
| 5° | 42697 |
| 10° | 39395 |
| 15° | 34881 |
| 20° | 30283 |
| 25° | 25907 |
| 30° | 21358 |
| 35° | 14067 |
| 40° | 7557 |
| 45° | 3349 |
| 50° | 1356 |
| 55° | 975 |
| 60° | 625 |
| 65° | 441 |
| 70° | 369 |
| 75° | 233 |
| 80° | 347 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.8 | 11.5 |
| 10°-20° | 171.3 | 27.5 |
| 20°-30° | 196.2 | 31.5 |
| 30°-40° | 131.8 | 21.2 |
| 40°-50° | 37.7 | 6.0 |
| 50°-60° | 9.2 | 1.5 |
| 60°-70° | 3.5 | 0.6 |
| 70°-80° | 1.3 | 0.2 |
| 80°-90° | 0.1 | 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° | 439.3 | 70.5 |
| 0°-40° | 571.1 | 91.7 |
| 0°-60° | 618.0 | 99.2 |
| 0°-90° | 623.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 623.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 799 | |
| 5° | 776 | 72 |
| 15° | 615 | 171 |
| 25° | 428 | 196 |
| 35° | 210 | 132 |
| 45° | 43 | 38 |
| 55° | 10 | 9 |
| 65° | 3 | 3 |
| 75° | 1 | 1 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 798.6 |
| 2.5° | 793.0 |
| 5° | 775.9 |
| 7.5° | 745.2 |
| 10° | 707.7 |
| 12.5° | 660.0 |
| 15° | 614.6 |
| 17.5° | 566.9 |
| 20° | 519.1 |
| 22.5° | 473.7 |
| 25° | 428.3 |
| 27.5° | 386.2 |
| 30° | 337.4 |
| 32.5° | 272.6 |
| 35° | 210.2 |
| 37.5° | 153.4 |
| 40° | 105.6 |
| 42.5° | 69.3 |
| 45° | 43.2 |
| 47.5° | 26.1 |
| 50° | 15.9 |
| 52.5° | 12.5 |
| 55° | 10.2 |
| 57.5° | 8.0 |
| 60° | 5.7 |
| 62.5° | 4.5 |
| 65° | 3.4 |
| 67.5° | 2.3 |
| 70° | 2.3 |
| 72.5° | 1.1 |
| 75° | 1.1 |
| 77.5° | 1.1 |
| 80° | 1.1 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)