

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: P726994

Luminaire Tested: **MRI-DRV-FLD4C-20-L940 F4LC-M-X-H**

Issue Date: 08/03/2023



**Test Information**

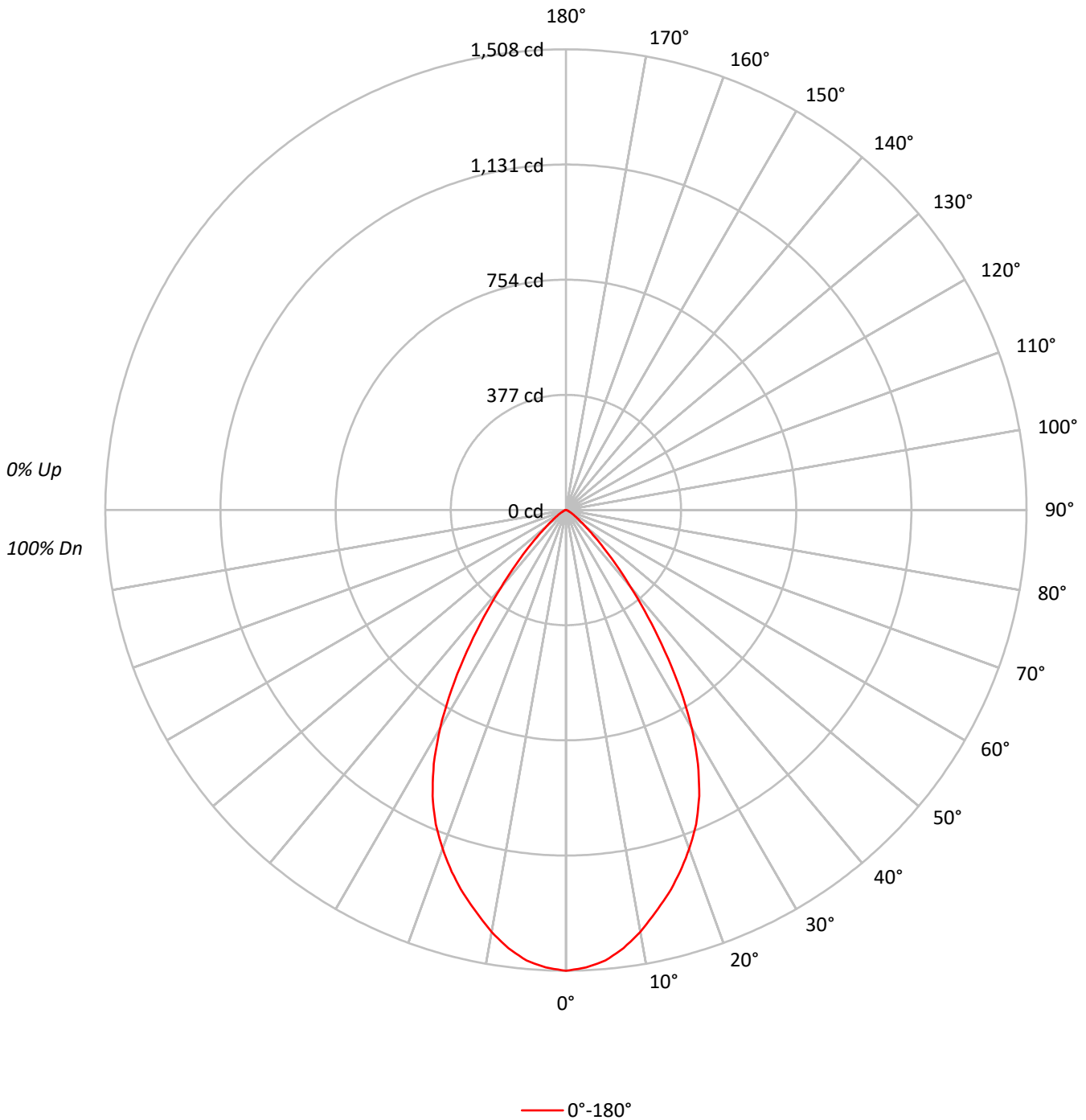
Test Method: LM-79-08  
Report Number: P726994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 08/03/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MRI-DRV-FLD4C-20-L940 F4LC-M-X-H  
Description: 4 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 4000K, 90 CRI  
LEDS, 4LBMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1521.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
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	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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

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

	0°
0°	185288
5°	182592
10°	174960
15°	165254
20°	154258
25°	140027
30°	116906
35°	84692
40°	53020
45°	30300
50°	15806
55°	8846
60°	5651
65°	3343
70°	2478
75°	1092
80°	1627
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	9.1
10°-20°	364.1	23.9
20°-30°	467.9	30.8
30°-40°	352.0	23.1
40°-50°	141.4	9.3
50°-60°	40.2	2.6
60°-70°	12.7	0.8
70°-80°	3.6	0.2
80°-90°	0.3	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°	970.7	63.8
0°-40°	1322.7	87.0
0°-60°	1504.3	98.9
0°-90°	1521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1521.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1508	
5°	1481	139
15°	1299	364
25°	1033	468
35°	565	352
45°	174	141
55°	41	40
65°	12	13
75°	2	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1508.2
2.5°	1499.0
5°	1480.6
7.5°	1446.2
10°	1402.5
12.5°	1349.8
15°	1299.3
17.5°	1241.9
20°	1179.9
22.5°	1113.4
25°	1033.0
27.5°	936.5
30°	824.1
32.5°	697.8
35°	564.7
37.5°	440.7
40°	330.6
42.5°	243.3
45°	174.4
47.5°	119.4
50°	82.7
52.5°	57.4
55°	41.3
57.5°	29.9
60°	23.0
62.5°	16.1
65°	11.5
67.5°	9.2
70°	6.9
72.5°	4.6
75°	2.3
77.5°	2.3
80°	2.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)