

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: P203293

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

Issue Date: 08/03/2023



**Test Information**

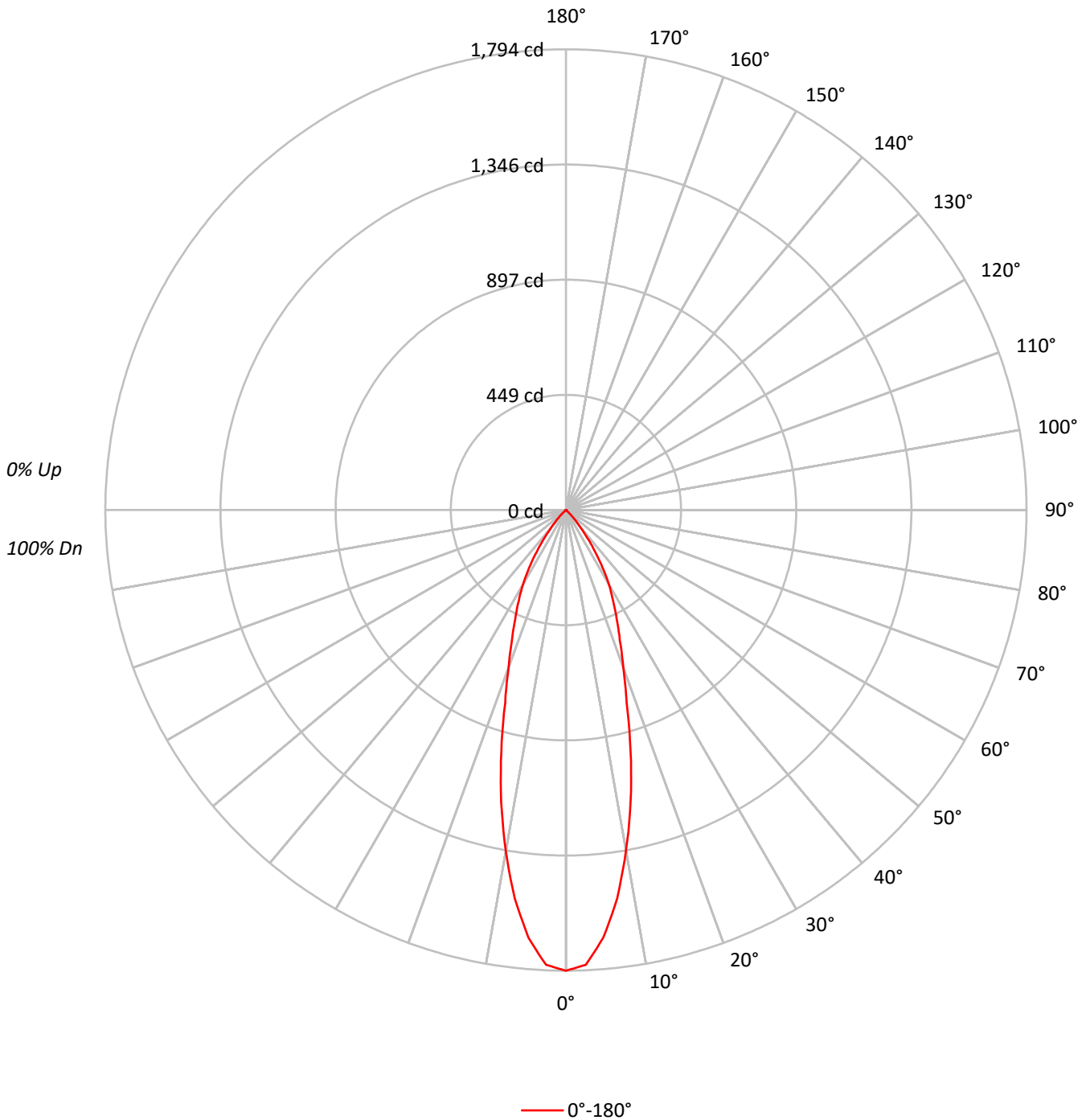
Test Method: LM-79-08  
Report Number: P203293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 08/03/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MRI-DRV-FLD6C-10-L927 F6LC-N-X-LI  
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 2700K, 90 CRI  
LEDS, 6LBNLI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 788.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.75  
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		
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89		
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85		
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80		
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76		
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72		
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68		
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65		
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59		

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

	0°
0°	98353
5°	91976
10°	75015
15°	55199
20°	38048
25°	28248
30°	21218
35°	13231
40°	6419
45°	2202
50°	290
55°	220
60°	121
65°	143
70°	176
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	18.9
10°-20°	267.7	34.0
20°-30°	216.5	27.5
30°-40°	124.7	15.8
40°-50°	26.4	3.3
50°-60°	2.3	0.3
60°-70°	1.1	0.1
70°-80°	0.1	0.0
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°	633.4	80.4
0°-40°	758.1	96.2
0°-60°	786.7	99.8
0°-90°	788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1794	
5°	1671	149
15°	973	268
25°	467	216
35°	198	125
45°	28	26
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1794.1
2.5°	1772.5
5°	1671.4
7.5°	1526.0
10°	1347.6
12.5°	1164.6
15°	972.6
17.5°	787.4
20°	652.2
22.5°	548.8
25°	467.0
27.5°	397.7
30°	335.2
32.5°	265.9
35°	197.7
37.5°	137.5
40°	89.7
42.5°	54.5
45°	28.4
47.5°	11.4
50°	3.4
52.5°	3.4
55°	2.3
57.5°	2.3
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)