

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: P727114

Luminaire Tested: **MRI-DRV-FLD4C-30-L930 F4LC-N-X-H**

Issue Date: 08/03/2023



**Test Information**

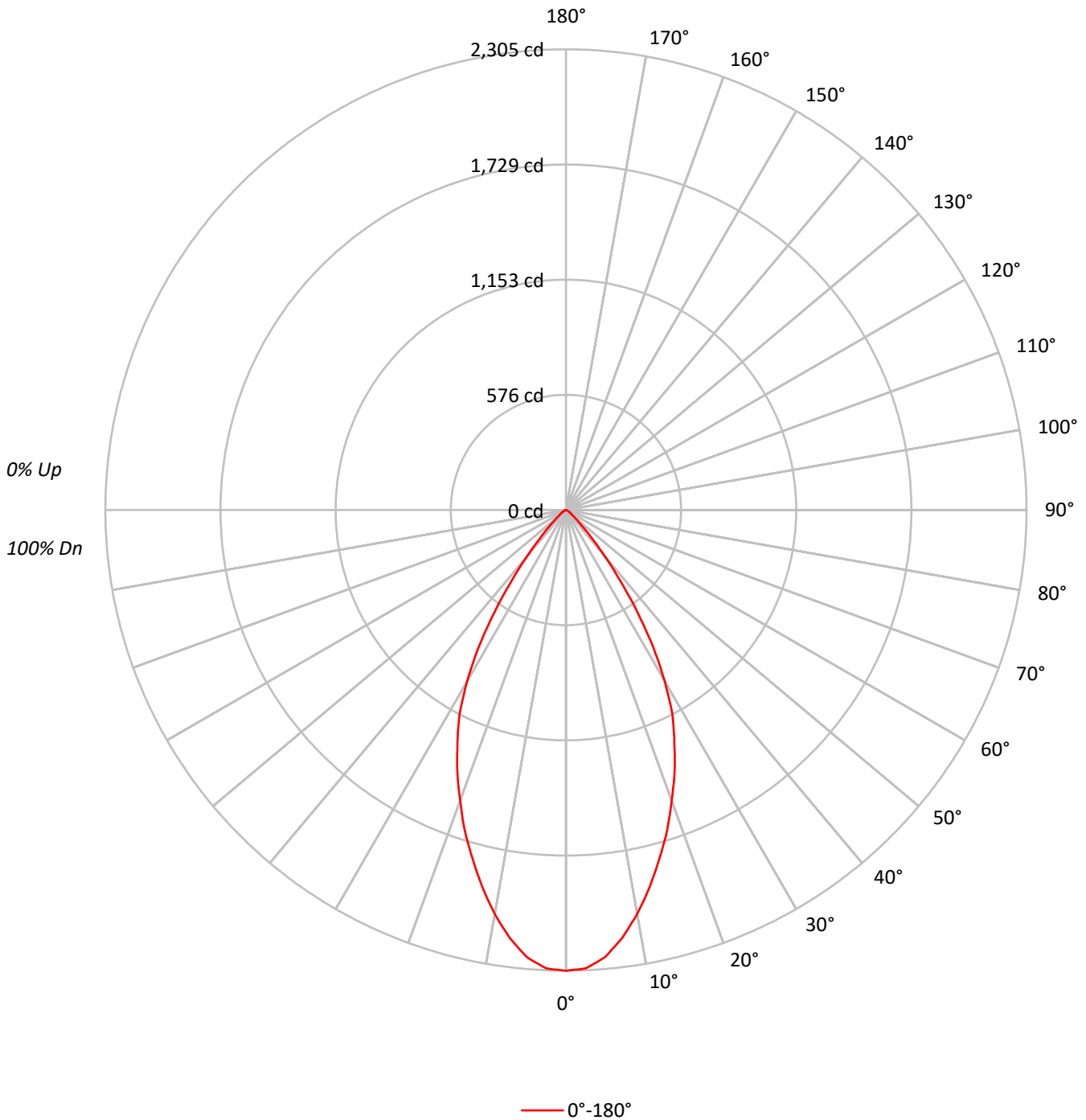
Test Method: LM-79-08  
Report Number: P727114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 08/03/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: MRI-DRV-FLD4C-30-L930 F4LC-N-X-H  
Description: 4 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 3000K, 90 CRI  
LEDS, 4LBNH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1836.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.6  
Input Voltage (V): NR  
Input Current (Ain): 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
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			58
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54			54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			51

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

	0°
0°	283202
5°	276897
10°	256022
15°	229726
20°	202225
25°	174038
30°	140142
35°	93300
40°	48529
45°	21961
50°	9537
55°	6404
60°	4103
65°	2907
70°	2407
75°	1566
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.0	11.3
10°-20°	504.5	27.5
20°-30°	585.7	31.9
30°-40°	387.9	21.1
40°-50°	108.8	5.9
50°-60°	27.3	1.5
60°-70°	10.3	0.6
70°-80°	3.5	0.2
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°	1298.2	70.7
0°-40°	1686.1	91.8
0°-60°	1822.2	99.3
0°-90°	1836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2305	
5°	2245	208
15°	1806	504
25°	1284	586
35°	622	388
45°	126	109
55°	30	27
65°	10	10
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2305.2
2.5°	2295.2
5°	2245.3
7.5°	2158.7
10°	2052.3
12.5°	1932.5
15°	1806.2
17.5°	1683.1
20°	1546.8
22.5°	1420.3
25°	1283.9
27.5°	1154.3
30°	987.9
32.5°	811.6
35°	622.1
37.5°	445.8
40°	302.6
42.5°	196.2
45°	126.4
47.5°	76.6
50°	49.9
52.5°	36.5
55°	29.9
57.5°	23.3
60°	16.7
62.5°	13.3
65°	10.0
67.5°	6.7
70°	6.7
72.5°	3.3
75°	3.3
77.5°	3.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)