

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: P727006

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

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P727006
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-20-L940 F4LC-N-X-H
Description: 4 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 4000K, 90 CRI
LEDS, 4LBNH TRIM
Light Source: -
Ballast/Driver: -

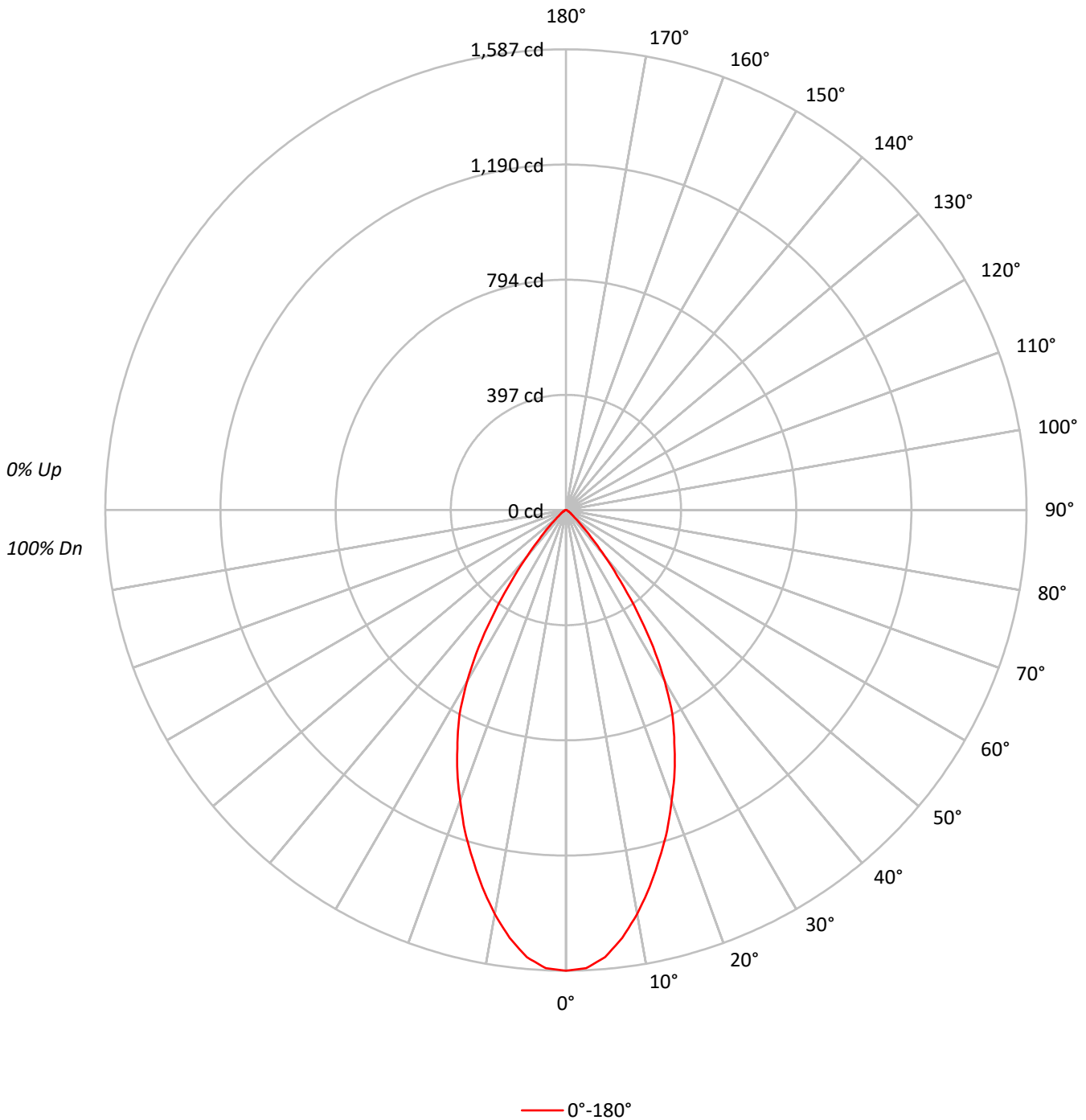
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.0 lumens
Efficiency: N/A
Efficacy: 58.0 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): 21.8
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	76	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194968
5°	190632
10°	176257
15°	158157
20°	139223
25°	119816
30°	96478
35°	64235
40°	33406
45°	15133
50°	6556
55°	4412
60°	2826
65°	2006
70°	1652
75°	1092
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	11.3
10°-20°	347.3	27.5
20°-30°	403.2	31.9
30°-40°	267.1	21.1
40°-50°	74.9	5.9
50°-60°	18.8	1.5
60°-70°	7.1	0.6
70°-80°	2.4	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°	893.7	70.7
0°-40°	1160.8	91.8
0°-60°	1254.5	99.2
0°-90°	1264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1587	
5°	1546	143
15°	1244	347
25°	884	403
35°	428	267
45°	87	75
55°	21	19
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1587.0
2.5°	1580.1
5°	1545.8
7.5°	1486.2
10°	1412.9
12.5°	1330.4
15°	1243.5
17.5°	1158.7
20°	1064.9
22.5°	977.8
25°	883.9
27.5°	794.7
30°	680.1
32.5°	558.8
35°	428.3
37.5°	306.9
40°	208.3
42.5°	135.1
45°	87.1
47.5°	52.7
50°	34.3
52.5°	25.2
55°	20.6
57.5°	16.1
60°	11.5
62.5°	9.2
65°	6.9
67.5°	4.6
70°	4.6
72.5°	2.3
75°	2.3
77.5°	2.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)