

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: P696314

Luminaire Tested: **MRI-FEU4C-10-L927 F4X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU4C-10-L927 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

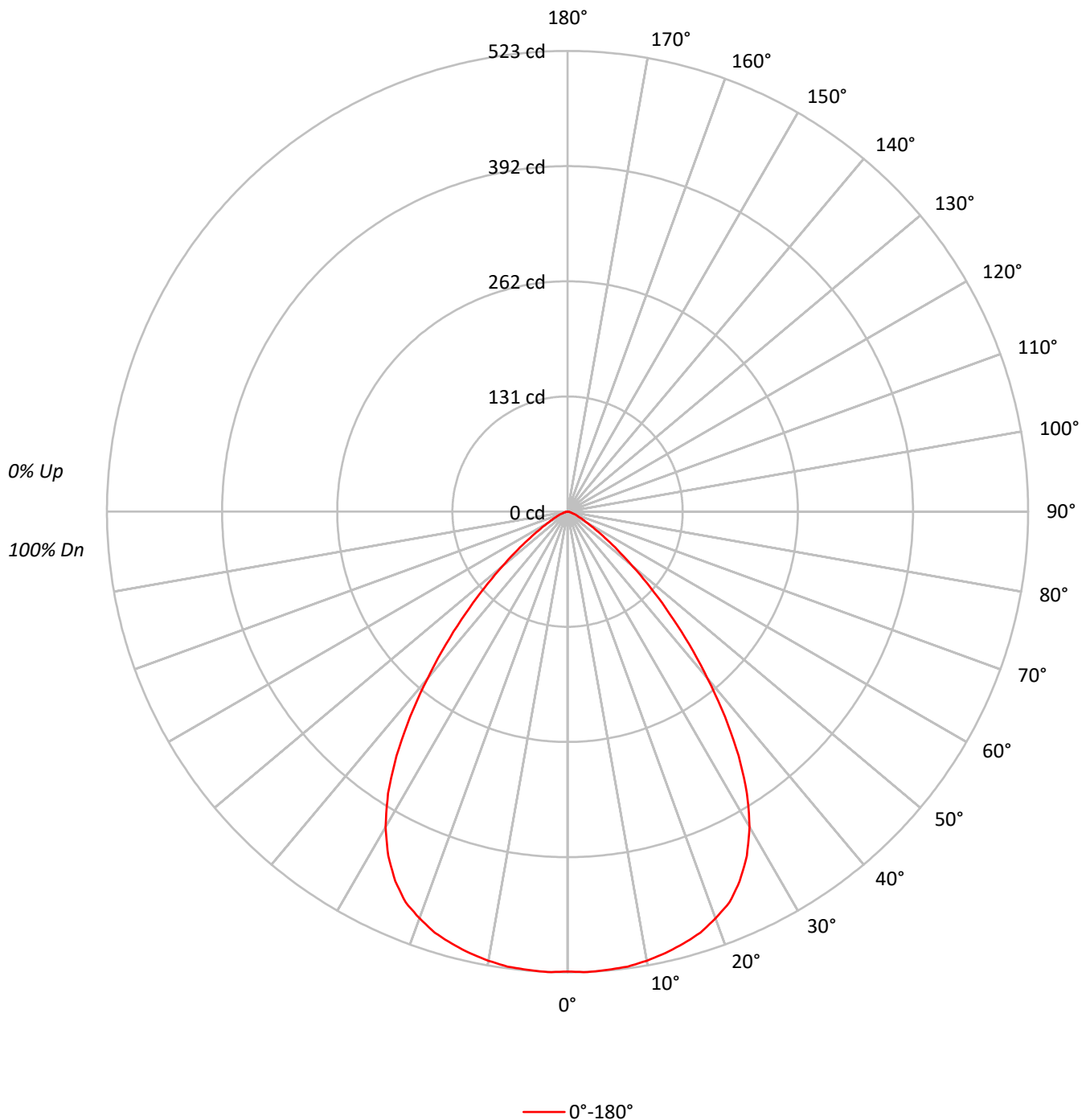
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 810.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' 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

TEST NUMBER: P696314
CATALOG NUMBER: MRI-FEU4C-10-L927 F4X-W-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P696314

CATALOG NUMBER: MRI-FEU4C-10-L927 F4X-W-X-H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	67	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64142
5°	64387
10°	64582
15°	64586
20°	64232
25°	62721
30°	58630
35°	50767
40°	39660
45°	28459
50°	18482
55°	11074
60°	6487
65°	4157
70°	2766
75°	2089
80°	1556
85°	0



TEST NUMBER: P696314
 CATALOG NUMBER: MRI-FEU4C-10-L927 F4X-W-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	6.1
10°-20°	143.3	17.7
20°-30°	211.4	26.1
30°-40°	208.6	25.8
40°-50°	127.7	15.8
50°-60°	49.0	6.0
60°-70°	15.3	1.9
70°-80°	4.5	0.6
80°-90°	0.6	0.1
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°	404.4	49.9
0°-40°	613.0	75.7
0°-60°	789.6	97.5
0°-90°	810.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	522	50
15°	508	143
25°	463	211
35°	338	209
45°	164	128
55°	52	49
65°	14	15
75°	4	4
85°	0	1
90°	0	

TEST NUMBER: P696314

CATALOG NUMBER: MRI-FEU4C-10-L927 F4X-W-X-H

CANDELA DISTRIBUTION (FULL):

0°	
0°	522.1
2.5°	523.2
5°	522.1
7.5°	521.0
10°	517.7
12.5°	513.3
15°	507.8
17.5°	501.2
20°	491.3
22.5°	480.3
25°	462.7
27.5°	440.7
30°	413.3
32.5°	379.2
35°	338.5
37.5°	293.5
40°	247.3
42.5°	204.4
45°	163.8
47.5°	127.5
50°	96.7
52.5°	71.5
55°	51.7
57.5°	36.3
60°	26.4
62.5°	19.8
65°	14.3
67.5°	11.0
70°	7.7
72.5°	5.5
75°	4.4
77.5°	2.2
80°	2.2
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)