

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: P696374

Luminaire Tested: **MRI-FEU4C-10-L935 F4X-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696374
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-FEU4C-10-L935 F4X-N-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 4LBNH TRIM
Light Source: -
Ballast/Driver: -

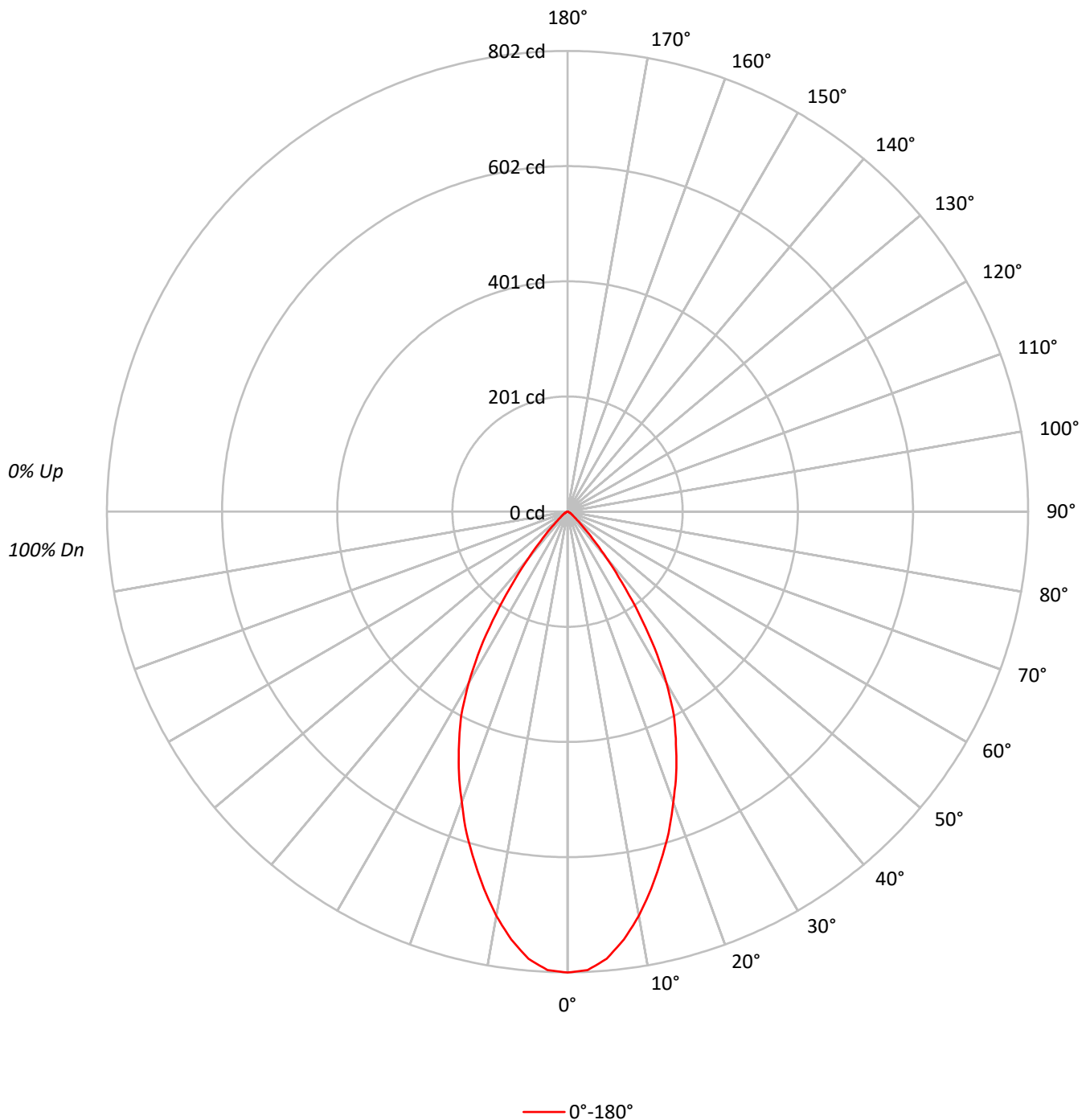
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 639.0 lumens
Efficiency: N/A
Efficacy: 65.5 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): 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: P696374
CATALOG NUMBER: MRI-FEU4C-10-L935 F4X-N-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P696374

CATALOG NUMBER: MRI-FEU4C-10-L935 F4X-N-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	113	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	74	65	60	56	65	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98565
5°	96364
10°	89108
15°	79950
20°	70376
25°	60565
30°	48771
35°	32470
40°	16887
45°	7645
50°	3326
55°	2228
60°	1425
65°	1017
70°	826
75°	570
80°	0
85°	0



TEST NUMBER: P696374
 CATALOG NUMBER: MRI-FEU4C-10-L935 F4X-N-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	11.3
10°-20°	175.6	27.5
20°-30°	203.8	31.9
30°-40°	135.0	21.1
40°-50°	37.9	5.9
50°-60°	9.5	1.5
60°-70°	3.6	0.6
70°-80°	1.3	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°	451.8	70.7
0°-40°	586.8	91.8
0°-60°	634.2	99.2
0°-90°	639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	639.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	802	
5°	781	72
15°	629	176
25°	447	204
35°	216	135
45°	44	38
55°	10	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P696374

CATALOG NUMBER: MRI-FEU4C-10-L935 F4X-N-X-H

CANDELA DISTRIBUTION (FULL):

0°	
0°	802.3
2.5°	798.8
5°	781.4
7.5°	751.3
10°	714.3
12.5°	672.6
15°	628.6
17.5°	585.8
20°	538.3
22.5°	494.3
25°	446.8
27.5°	401.7
30°	343.8
32.5°	282.5
35°	216.5
37.5°	155.1
40°	105.3
42.5°	68.3
45°	44.0
47.5°	26.6
50°	17.4
52.5°	12.7
55°	10.4
57.5°	8.1
60°	5.8
62.5°	4.6
65°	3.5
67.5°	2.3
70°	2.3
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)