

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: P696386

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

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696386
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-L935 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

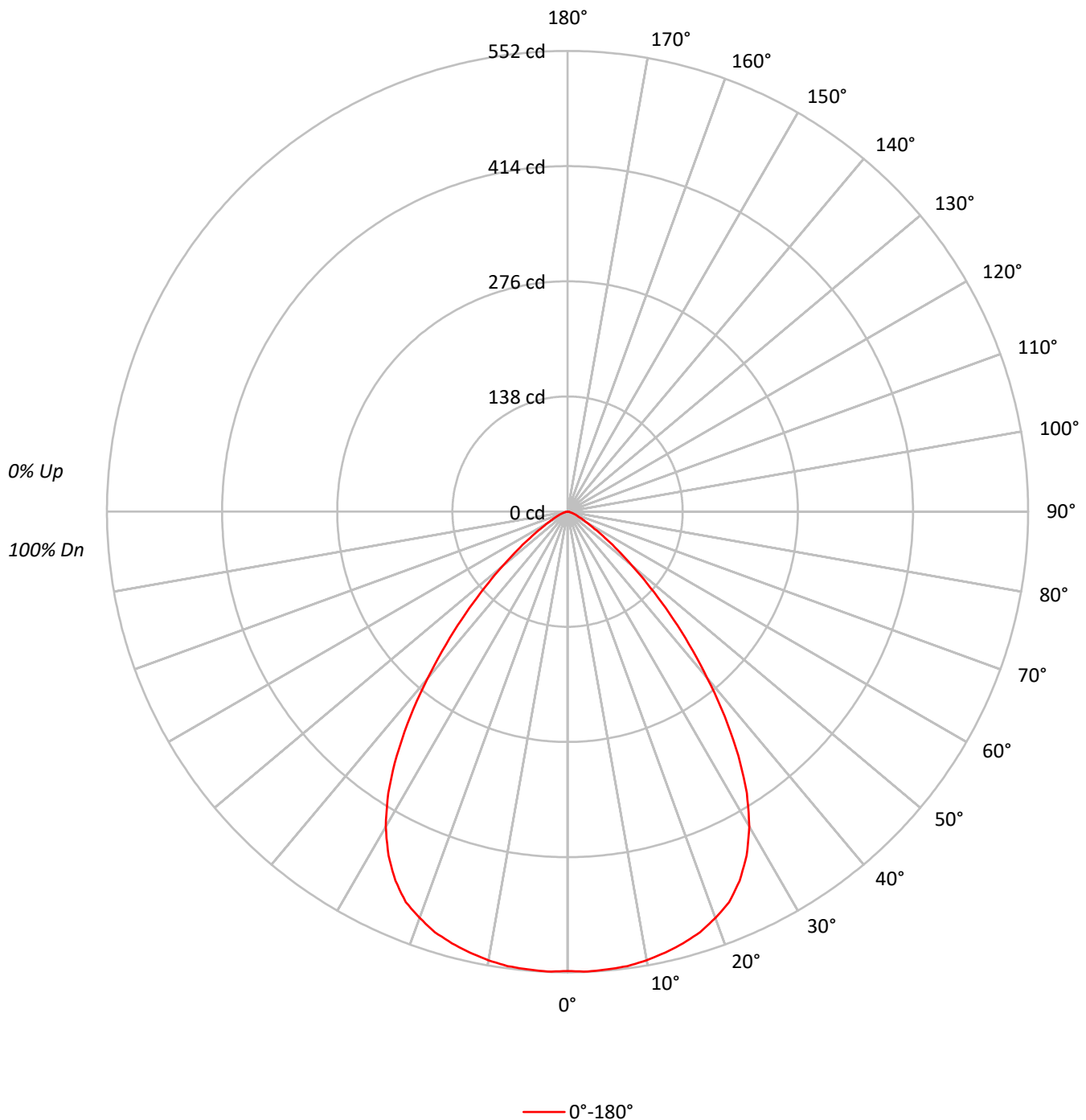
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 854.0 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 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

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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
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	68	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°	67631
5°	67889
10°	68088
15°	68096
20°	67722
25°	66137
30°	61808
35°	53527
40°	41809
45°	30005
50°	19495
55°	11673
60°	6831
65°	4390
70°	2910
75°	2183
80°	1627
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	6.1
10°-20°	151.0	17.7
20°-30°	222.9	26.1
30°-40°	219.9	25.8
40°-50°	134.6	15.8
50°-60°	51.6	6.0
60°-70°	16.1	1.9
70°-80°	4.7	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°	426.4	49.9
0°-40°	646.3	75.7
0°-60°	832.5	97.5
0°-90°	854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	854.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	550	
5°	550	52
15°	535	151
25°	488	223
35°	357	220
45°	173	135
55°	54	52
65°	15	16
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	550.5
2.5°	551.6
5°	550.5
7.5°	549.3
10°	545.8
12.5°	541.2
15°	535.4
17.5°	528.4
20°	518.0
22.5°	506.4
25°	487.9
27.5°	464.7
30°	435.7
32.5°	399.8
35°	356.9
37.5°	309.4
40°	260.7
42.5°	215.5
45°	172.7
47.5°	134.4
50°	102.0
52.5°	75.3
55°	54.5
57.5°	38.2
60°	27.8
62.5°	20.9
65°	15.1
67.5°	11.6
70°	8.1
72.5°	5.8
75°	4.6
77.5°	2.3
80°	2.3
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)