

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: P696458

Luminaire Tested: **MRI-FEU4C-10-L950 F4X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696458
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-L950 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

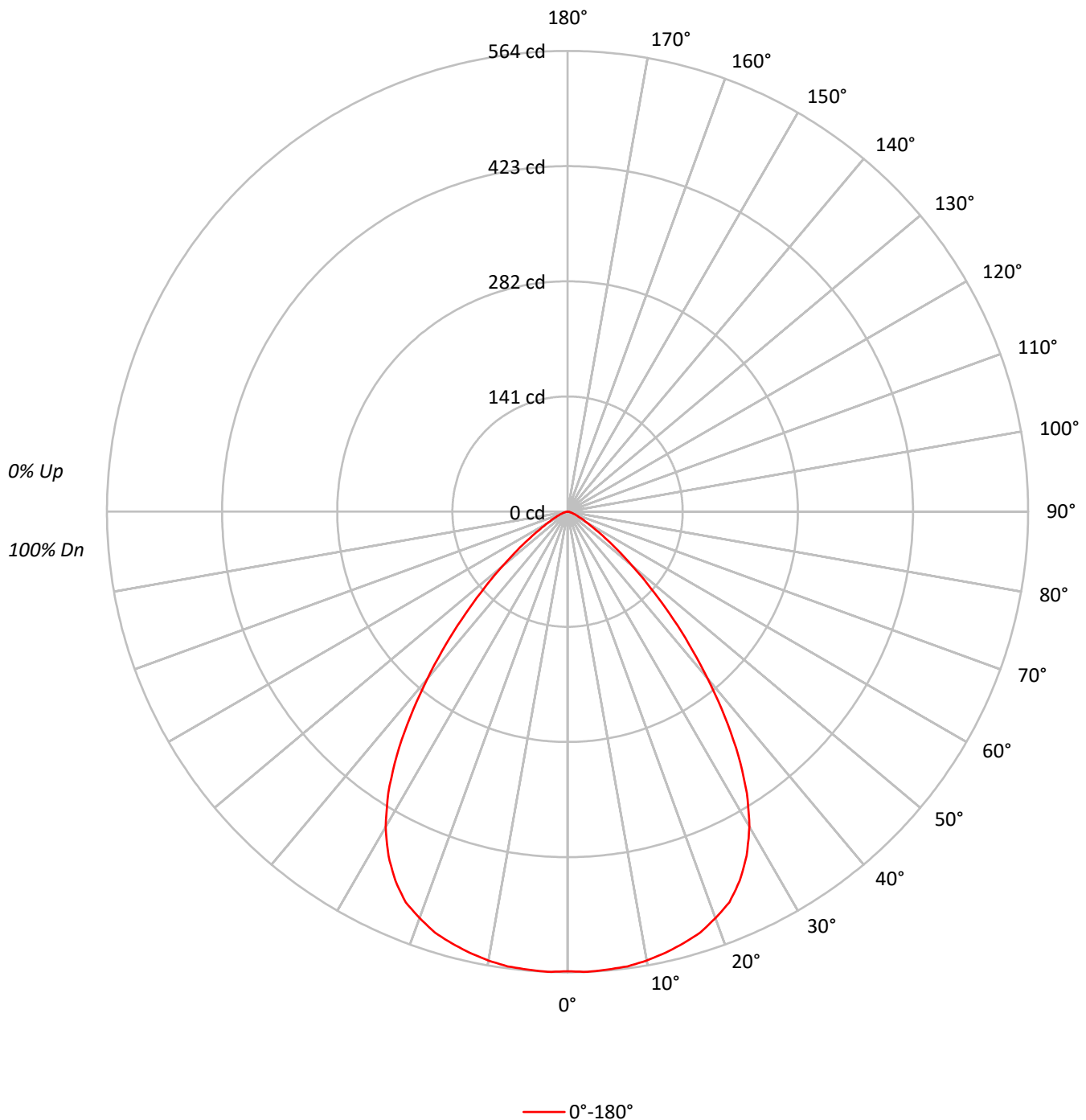
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 873.0 lumens
Efficiency: N/A
Efficacy: 89.5 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

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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°	69130
5°	69394
10°	69610
15°	69610
20°	69226
25°	67601
30°	63184
35°	54711
40°	42740
45°	30665
50°	19915
55°	11930
60°	6978
65°	4477
70°	2981
75°	2231
80°	1698
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	6.1
10°-20°	154.4	17.7
20°-30°	227.8	26.1
30°-40°	224.8	25.8
40°-50°	137.6	15.8
50°-60°	52.8	6.0
60°-70°	16.5	1.9
70°-80°	4.8	0.6
80°-90°	0.7	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°	435.8	49.9
0°-40°	660.7	75.7
0°-60°	851.0	97.5
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	563	
5°	563	54
15°	547	154
25°	499	228
35°	365	225
45°	176	138
55°	56	53
65°	15	16
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	562.7
2.5°	563.9
5°	562.7
7.5°	561.5
10°	558.0
12.5°	553.2
15°	547.3
17.5°	540.2
20°	529.5
22.5°	517.7
25°	498.7
27.5°	475.0
30°	445.4
32.5°	408.7
35°	364.8
37.5°	316.3
40°	266.5
42.5°	220.3
45°	176.5
47.5°	137.4
50°	104.2
52.5°	77.0
55°	55.7
57.5°	39.1
60°	28.4
62.5°	21.3
65°	15.4
67.5°	11.9
70°	8.3
72.5°	5.9
75°	4.7
77.5°	2.4
80°	2.4
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)