

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: P697004

Luminaire Tested: **MRI-FEU4C-25-L950 F4X-W-X-LI**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU4C-25-L950 F4X-W-X-LI
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBWLI TRIM
Light Source: -
Ballast/Driver: -

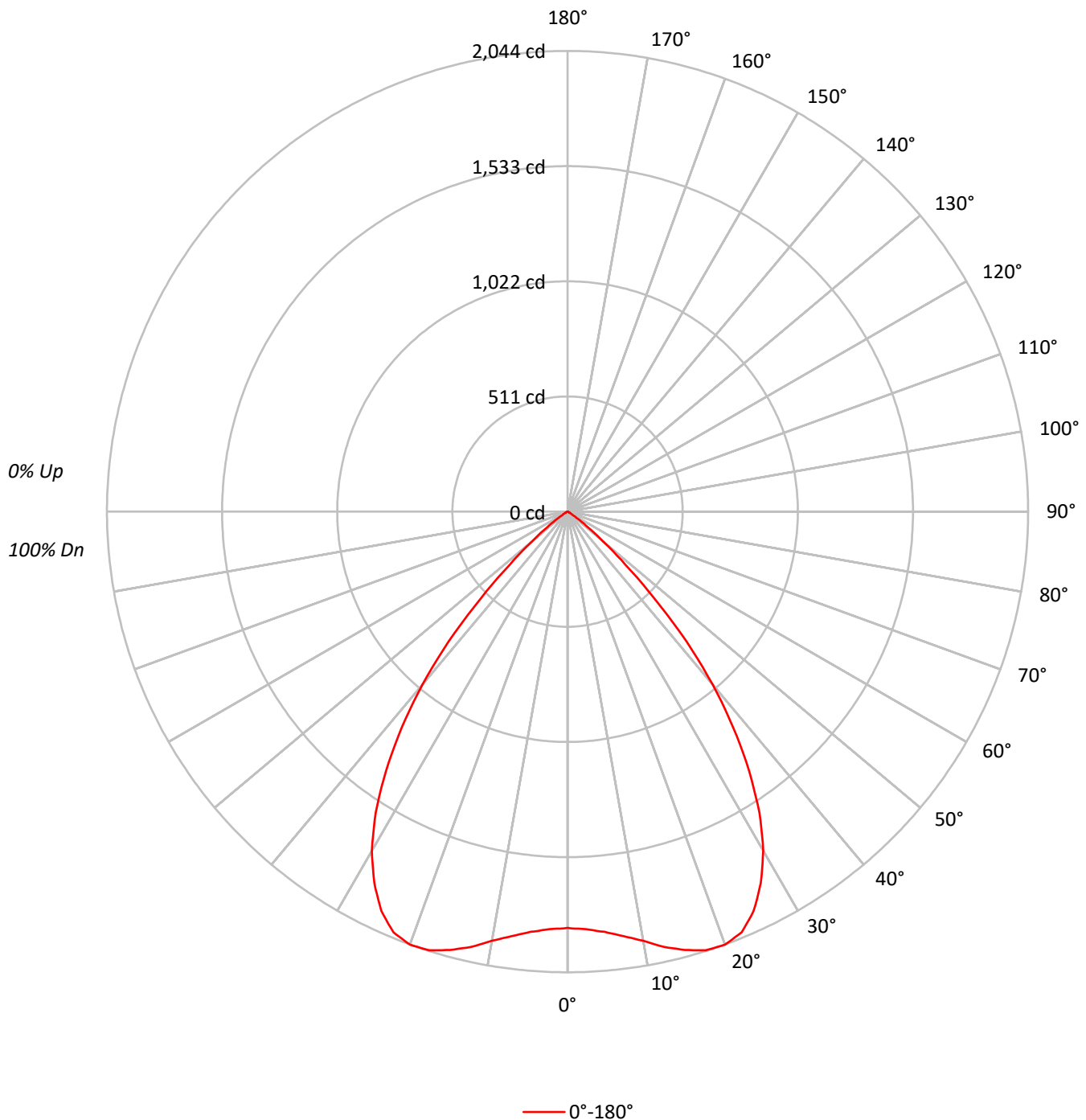
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3015.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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: P697004
CATALOG NUMBER: MRI-FEU4C-25-L950 F4X-W-X-LI

Luminous Intensity Polar Plot





TEST NUMBER: P697004

CATALOG NUMBER: MRI-FEU4C-25-L950 F4X-W-X-LI

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45		
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	226947
5°	230799
10°	241227
15°	256041
20°	267254
25°	264926
30°	246381
35°	210777
40°	160582
45°	94202
50°	40251
55°	11845
60°	3391
65°	2006
70°	1257
75°	1661
80°	0
85°	0



TEST NUMBER: P697004
 CATALOG NUMBER: MRI-FEU4C-25-L950 F4X-W-X-LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	6.0
10°-20°	570.1	18.9
20°-30°	889.4	29.5
30°-40°	865.4	28.7
40°-50°	432.2	14.3
50°-60°	66.9	2.2
60°-70°	8.1	0.3
70°-80°	2.3	0.1
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°	1640.1	54.4
0°-40°	2505.5	83.1
0°-60°	3004.6	99.7
0°-90°	3015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3015.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1847	
5°	1872	181
15°	2013	570
25°	1954	889
35°	1405	865
45°	542	432
55°	55	67
65°	7	8
75°	4	2
85°	0	0
90°	0	



TEST NUMBER: P697004
CATALOG NUMBER: MRI-FEU4C-25-L950 F4X-W-X-LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1847.3
2.5°	1854.2
5°	1871.5
7.5°	1899.1
10°	1933.7
12.5°	1978.5
15°	2013.1
17.5°	2040.7
20°	2044.2
22.5°	2020.0
25°	1954.4
27.5°	1857.6
30°	1736.8
32.5°	1585.0
35°	1405.4
37.5°	1208.5
40°	1001.3
42.5°	780.4
45°	542.2
47.5°	348.7
50°	210.6
52.5°	113.9
55°	55.3
57.5°	24.2
60°	13.8
62.5°	10.4
65°	6.9
67.5°	6.9
70°	3.5
72.5°	3.5
75°	3.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)