

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: P697178

Luminaire Tested: **MRI-FEU4C-05-L950 F4X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697178
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-05-L950 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

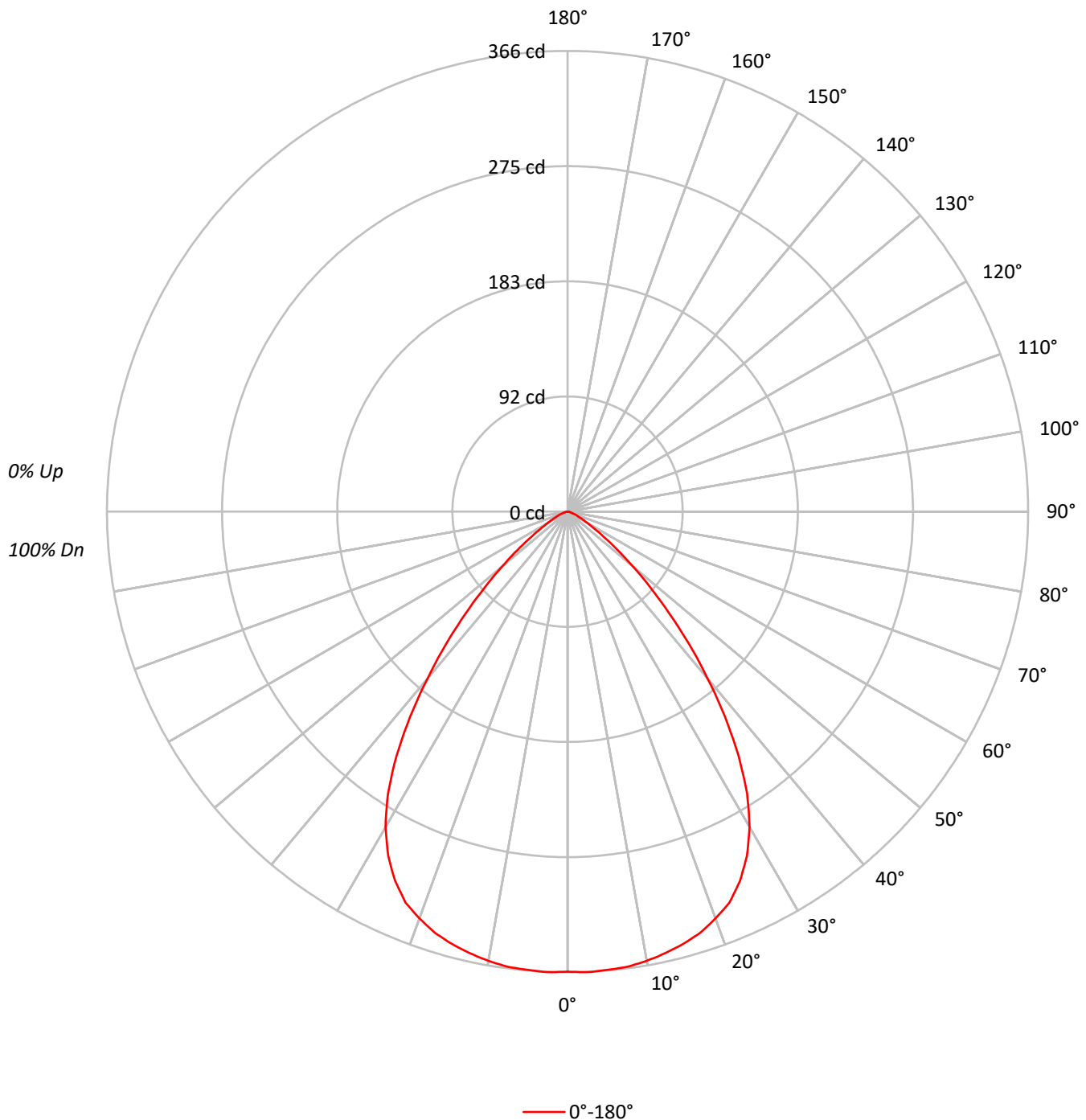
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 567.0 lumens
Efficiency: N/A
Efficacy: 78.7 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): 7.2
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: P697178
CATALOG NUMBER: MRI-FEU4C-05-L950 F4X-W-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P697178

CATALOG NUMBER: MRI-FEU4C-05-L950 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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91		103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80		97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72		90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58		80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49		70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41		63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44903
5°	45074
10°	45209
15°	45215
20°	44961
25°	43906
30°	41040
35°	35544
40°	27761
45°	19911
50°	12939
55°	7754
60°	4521
65°	2907
70°	1940
75°	1471
80°	1061
85°	0



TEST NUMBER: P697178
 CATALOG NUMBER: MRI-FEU4C-05-L950 F4X-W-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	6.1
10°-20°	100.3	17.7
20°-30°	148.0	26.1
30°-40°	146.0	25.8
40°-50°	89.3	15.8
50°-60°	34.3	6.0
60°-70°	10.7	1.9
70°-80°	3.1	0.6
80°-90°	0.4	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°	283.1	49.9
0°-40°	429.1	75.7
0°-60°	552.7	97.5
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	366	
5°	366	35
15°	356	100
25°	324	148
35°	237	146
45°	115	89
55°	36	34
65°	10	11
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P697178
CATALOG NUMBER: MRI-FEU4C-05-L950 F4X-W-X-H

CANDELA DISTRIBUTION (FULL):

0°	
0°	365.5
2.5°	366.2
5°	365.5
7.5°	364.7
10°	362.4
12.5°	359.3
15°	355.5
17.5°	350.8
20°	343.9
22.5°	336.2
25°	323.9
27.5°	308.5
30°	289.3
32.5°	265.5
35°	237.0
37.5°	205.4
40°	173.1
42.5°	143.1
45°	114.6
47.5°	89.2
50°	67.7
52.5°	50.0
55°	36.2
57.5°	25.4
60°	18.4
62.5°	13.9
65°	10.0
67.5°	7.7
70°	5.4
72.5°	3.9
75°	3.1
77.5°	1.5
80°	1.5
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)