

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: P696998

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

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696998
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-25-L950 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

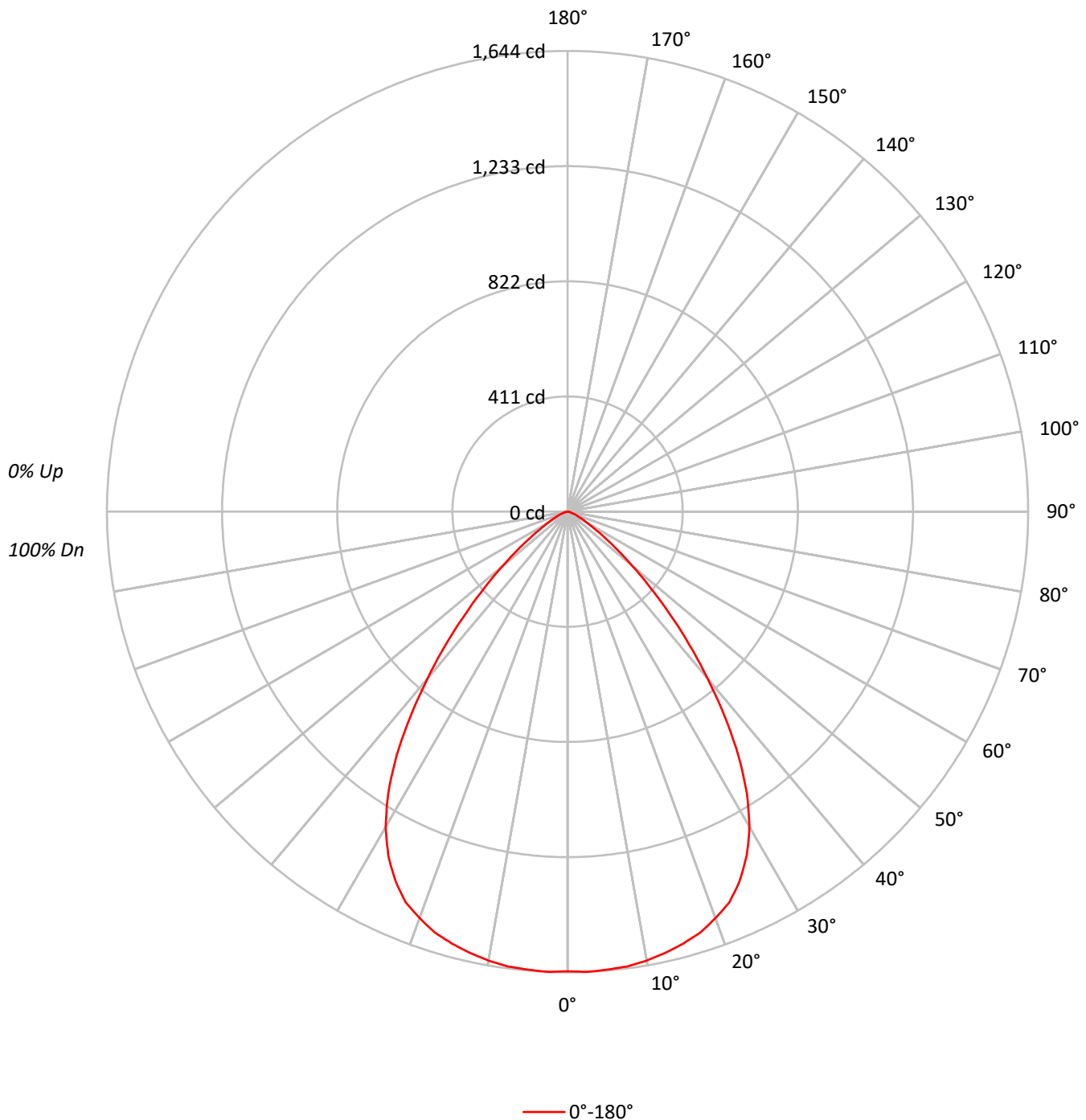
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2545.0 lumens
Efficiency: N/A
Efficacy: 80.5 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): 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: P696998
CATALOG NUMBER: MRI-FEU4C-25-L950 F4X-W-X-H

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	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°	201529
5°	202299
10°	202916
15°	202927
20°	201807
25°	197082
30°	184204
35°	159515
40°	124610
45°	89407
50°	58083
55°	34763
60°	20345
65°	13052
70°	8693
75°	6550
80°	4882
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	6.1
10°-20°	450.1	17.7
20°-30°	664.2	26.1
30°-40°	655.5	25.8
40°-50°	401.1	15.8
50°-60°	153.8	6.0
60°-70°	48.1	1.9
70°-80°	14.1	0.6
80°-90°	1.9	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°	1270.6	49.9
0°-40°	1926.0	75.7
0°-60°	2480.9	97.5
0°-90°	2545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2545.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1640	
5°	1640	156
15°	1596	450
25°	1454	664
35°	1064	655
45°	515	401
55°	162	154
65°	45	48
75°	14	14
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1640.4
2.5°	1643.9
5°	1640.4
7.5°	1636.9
10°	1626.6
12.5°	1612.8
15°	1595.5
17.5°	1574.7
20°	1543.6
22.5°	1509.2
25°	1453.9
27.5°	1384.8
30°	1298.5
32.5°	1191.5
35°	1063.6
37.5°	922.0
40°	777.0
42.5°	642.3
45°	514.6
47.5°	400.5
50°	303.9
52.5°	224.5
55°	162.3
57.5°	113.9
60°	82.8
62.5°	62.2
65°	44.9
67.5°	34.6
70°	24.2
72.5°	17.3
75°	13.8
77.5°	6.9
80°	6.9
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)