

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: P696848

Luminaire Tested: **MRI-FEU4C-25-L927 F4X-N-X-LI**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
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-L927 F4X-N-X-LI
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 4LBNLI TRIM
Light Source: -
Ballast/Driver: -

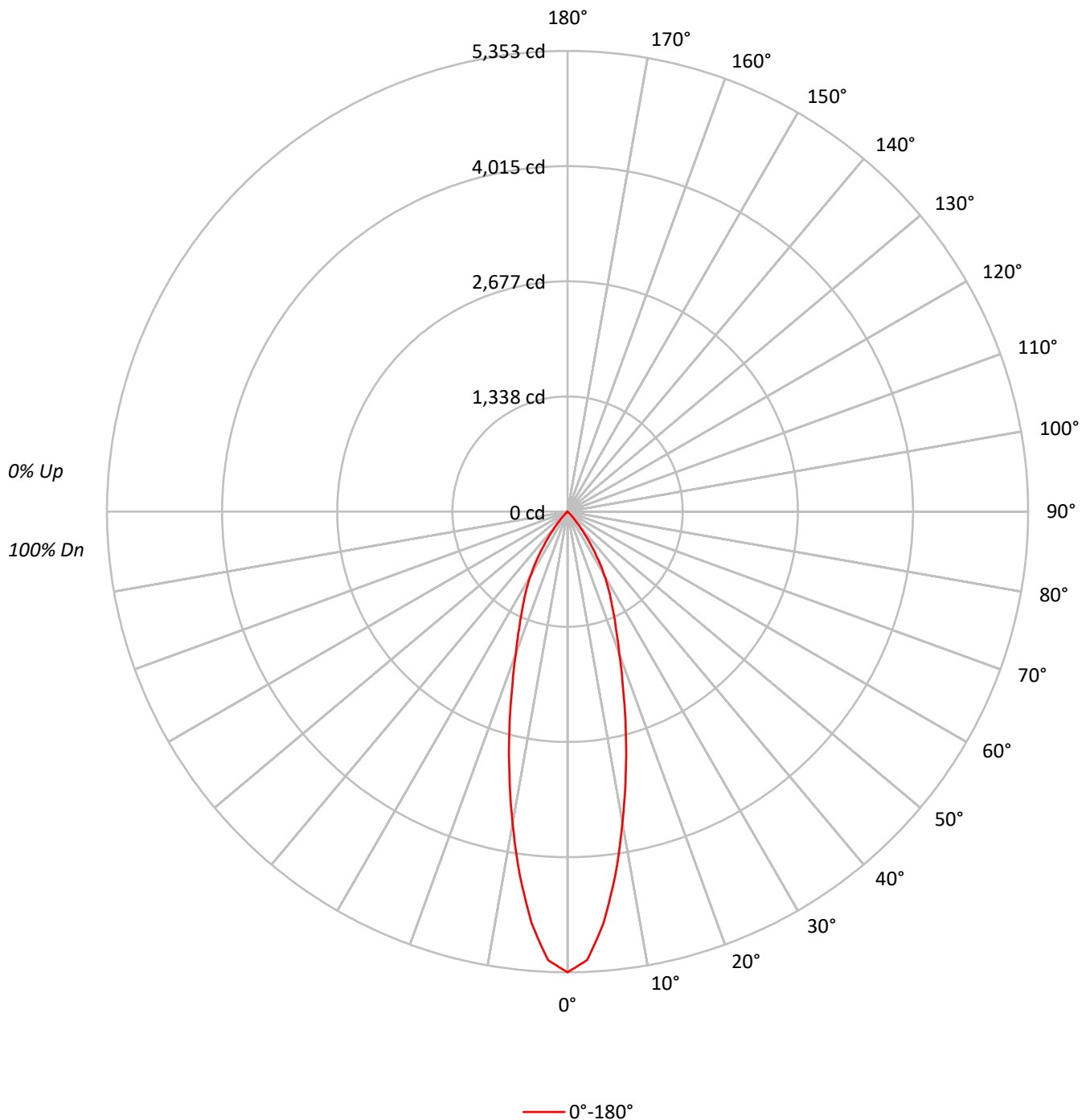
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2080.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
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

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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	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	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90	89	88
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	84	83
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81	80	79
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77	76	75
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	72	71
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69	68	67
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66	65	64
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63	62	61
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	657598
5°	591777
10°	458751
15°	332048
20°	229916
25°	167612
30°	121786
35°	72064
40°	30311
45°	9452
50°	1223
55°	685
60°	786
65°	930
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.8	20.3
10°-20°	722.2	34.7
20°-30°	574.0	27.6
30°-40°	303.8	14.6
40°-50°	52.3	2.5
50°-60°	3.9	0.2
60°-70°	2.0	0.1
70°-80°	0.0	0.0
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°	1718.0	82.6
0°-40°	2021.8	97.2
0°-60°	2078.0	99.9
0°-90°	2080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2080.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5353	
5°	4799	422
15°	2611	722
25°	1236	574
35°	480	304
45°	54	52
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5352.7
2.5°	5214.9
5°	4798.6
7.5°	4254.0
10°	3677.4
12.5°	3120.1
15°	2610.7
17.5°	2136.6
20°	1758.6
22.5°	1470.3
25°	1236.5
27.5°	1047.5
30°	858.5
32.5°	666.3
35°	480.5
37.5°	317.2
40°	189.0
42.5°	108.9
45°	54.4
47.5°	19.2
50°	6.4
52.5°	6.4
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)