

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: P697034

Luminaire Tested: **MRI-FEU4C-05-L927 F4X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697034
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-L927 F4X-W-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 4LBWH TRIM
Light Source: -
Ballast/Driver: -

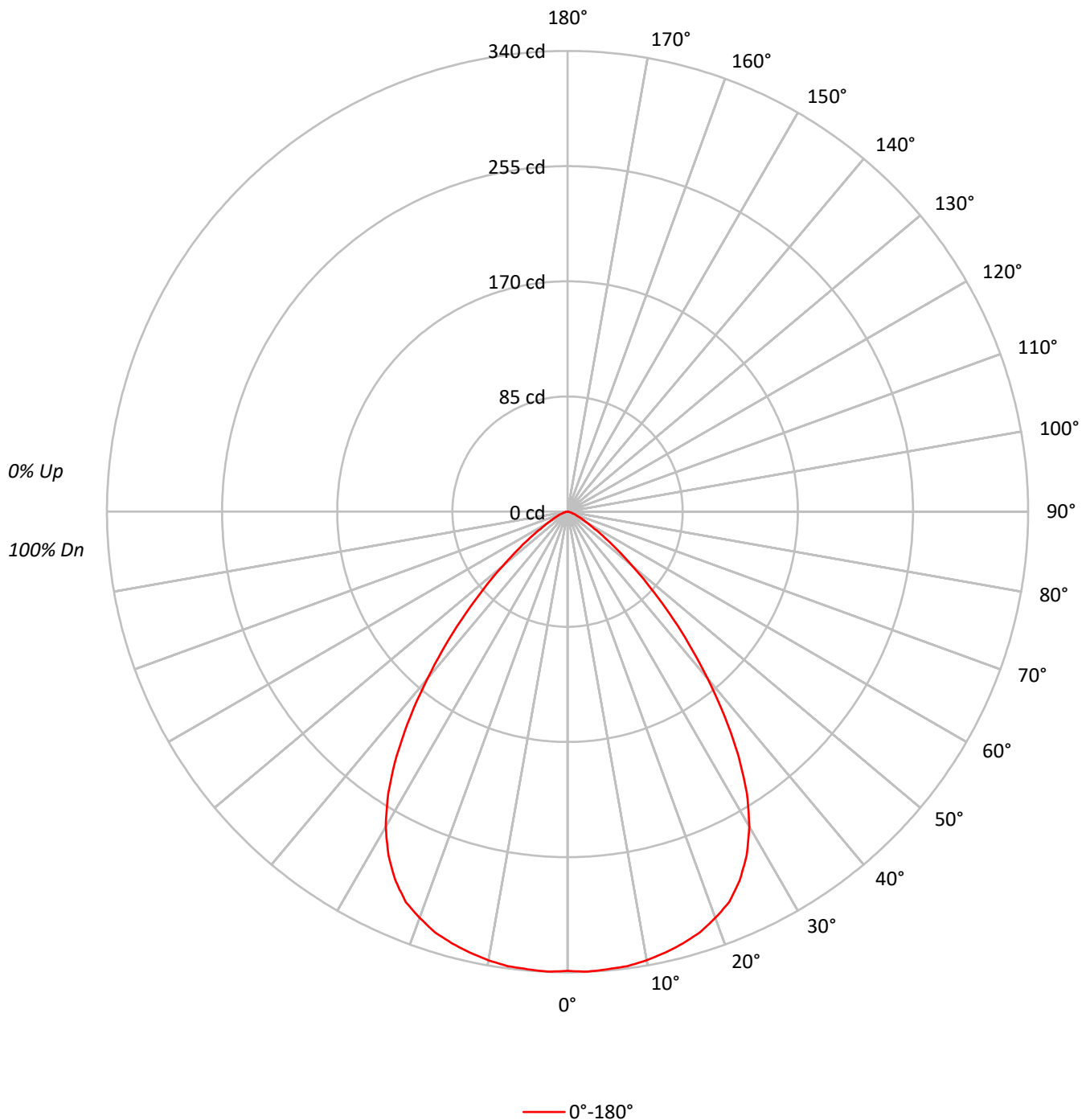
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 73.1 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

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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°	41647
5°	41806
10°	41941
15°	41946
20°	41705
25°	40734
30°	38075
35°	32965
40°	25756
45°	18486
50°	12003
55°	7175
60°	4202
65°	2703
70°	1796
75°	1377
80°	990
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	6.1
10°-20°	93.0	17.7
20°-30°	137.3	26.1
30°-40°	135.5	25.8
40°-50°	82.9	15.8
50°-60°	31.8	6.0
60°-70°	9.9	1.9
70°-80°	2.9	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°	262.6	49.9
0°-40°	398.1	75.7
0°-60°	512.8	97.5
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	339	
5°	339	32
15°	330	93
25°	300	137
35°	220	135
45°	106	83
55°	34	32
65°	9	10
75°	3	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	339.0
2.5°	339.8
5°	339.0
7.5°	338.3
10°	336.2
12.5°	333.3
15°	329.8
17.5°	325.5
20°	319.0
22.5°	311.9
25°	300.5
27.5°	286.2
30°	268.4
32.5°	246.3
35°	219.8
37.5°	190.6
40°	160.6
42.5°	132.8
45°	106.4
47.5°	82.8
50°	62.8
52.5°	46.4
55°	33.5
57.5°	23.5
60°	17.1
62.5°	12.9
65°	9.3
67.5°	7.1
70°	5.0
72.5°	3.6
75°	2.9
77.5°	1.4
80°	1.4
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)