

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: P696302

Luminaire Tested: **MRI-FEU4C-10-L927 F4X-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P696302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU4C-10-L927 F4X-N-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 4LBNH TRIM
Light Source: -
Ballast/Driver: -

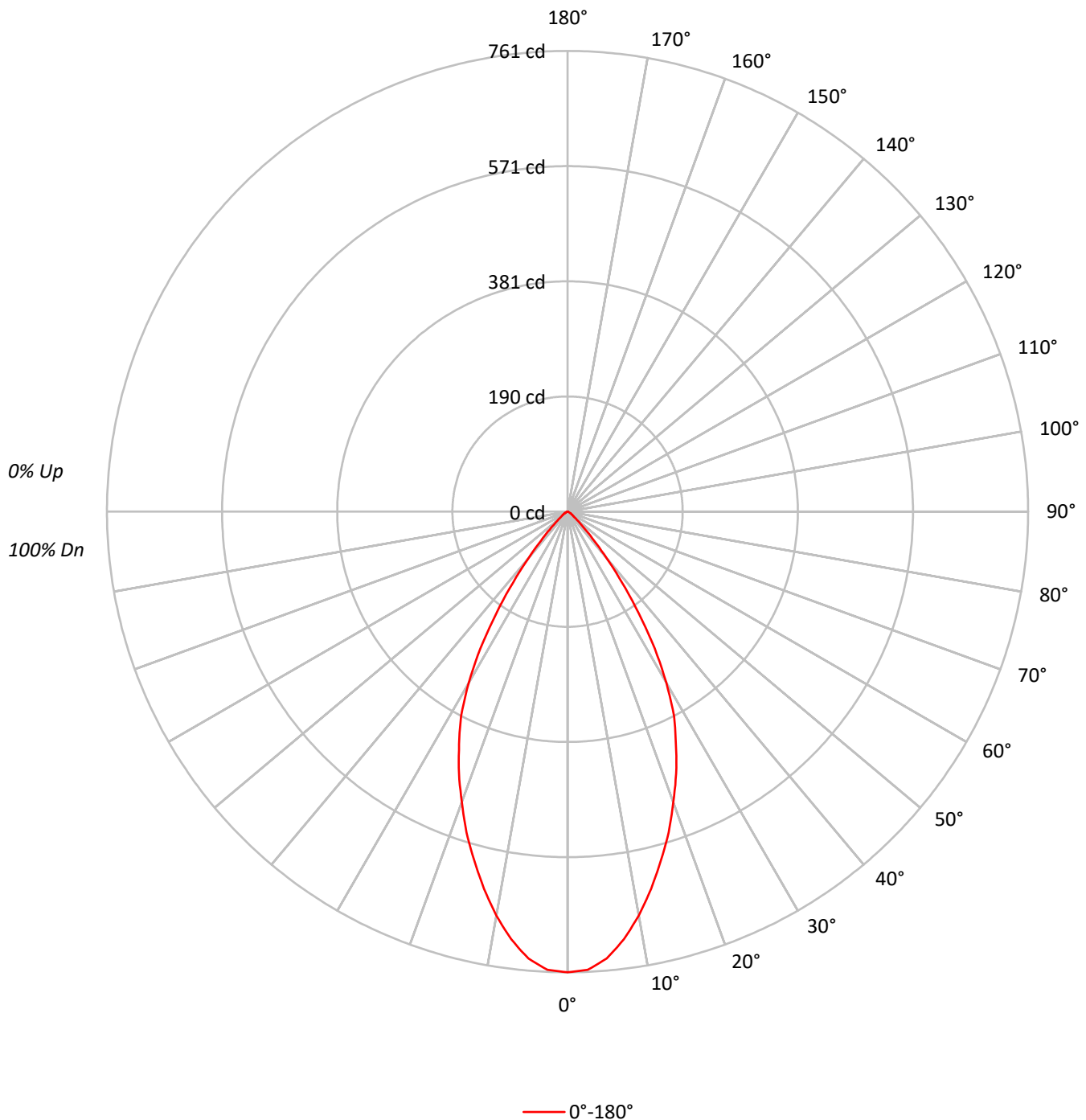
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 606.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.75
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					0	
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		0			
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	100
1	113	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95	93
2	108	103	99	96		106	101	98	94		98	95	92		95	93	90		92	90	89	87
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82	81
4	97	90	84	80		95	89	83	79		86	82	78		84	81	78		83	79	77	75
5	92	84	78	74		91	83	78	73		81	76	73		80	75	72		78	74	72	70
6	88	79	73	69		86	78	72	68		76	72	68		75	71	67		74	70	67	65
7	83	74	68	64		82	73	68	64		72	67	63		71	66	63		70	66	63	61
8	79	70	64	60		78	69	64	60		68	63	59		67	63	59		66	62	59	58
9	76	66	60	56		74	65	60	56		65	59	56		64	59	56		63	59	55	54
10	72	62	57	53		71	62	56	53		61	56	53		60	56	52		60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93479
5°	91394
10°	84505
15°	75829
20°	66742
25°	57448
30°	46260
35°	30790
40°	16021
45°	7245
50°	3154
55°	2120
60°	1351
65°	959
70°	790
75°	522
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	11.3
10°-20°	166.5	27.5
20°-30°	193.3	31.9
30°-40°	128.0	21.1
40°-50°	35.9	5.9
50°-60°	9.0	1.5
60°-70°	3.4	0.6
70°-80°	1.2	0.2
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°	428.5	70.7
0°-40°	556.5	91.8
0°-60°	601.5	99.2
0°-90°	606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	761	
5°	741	69
15°	596	167
25°	424	193
35°	205	128
45°	42	36
55°	10	9
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	760.9
2.5°	757.6
5°	741.1
7.5°	712.5
10°	677.4
12.5°	637.9
15°	596.2
17.5°	555.5
20°	510.5
22.5°	468.8
25°	423.8
27.5°	381.0
30°	326.1
32.5°	267.9
35°	205.3
37.5°	147.1
40°	99.9
42.5°	64.8
45°	41.7
47.5°	25.3
50°	16.5
52.5°	12.1
55°	9.9
57.5°	7.7
60°	5.5
62.5°	4.4
65°	3.3
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)