

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: P697094

Luminaire Tested: **MRI-FEU4C-05-L935 F4X-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697094
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-05-L935 F4X-N-X-H
Description: 4 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 4LBNH TRIM
Light Source: -
Ballast/Driver: -

Summary

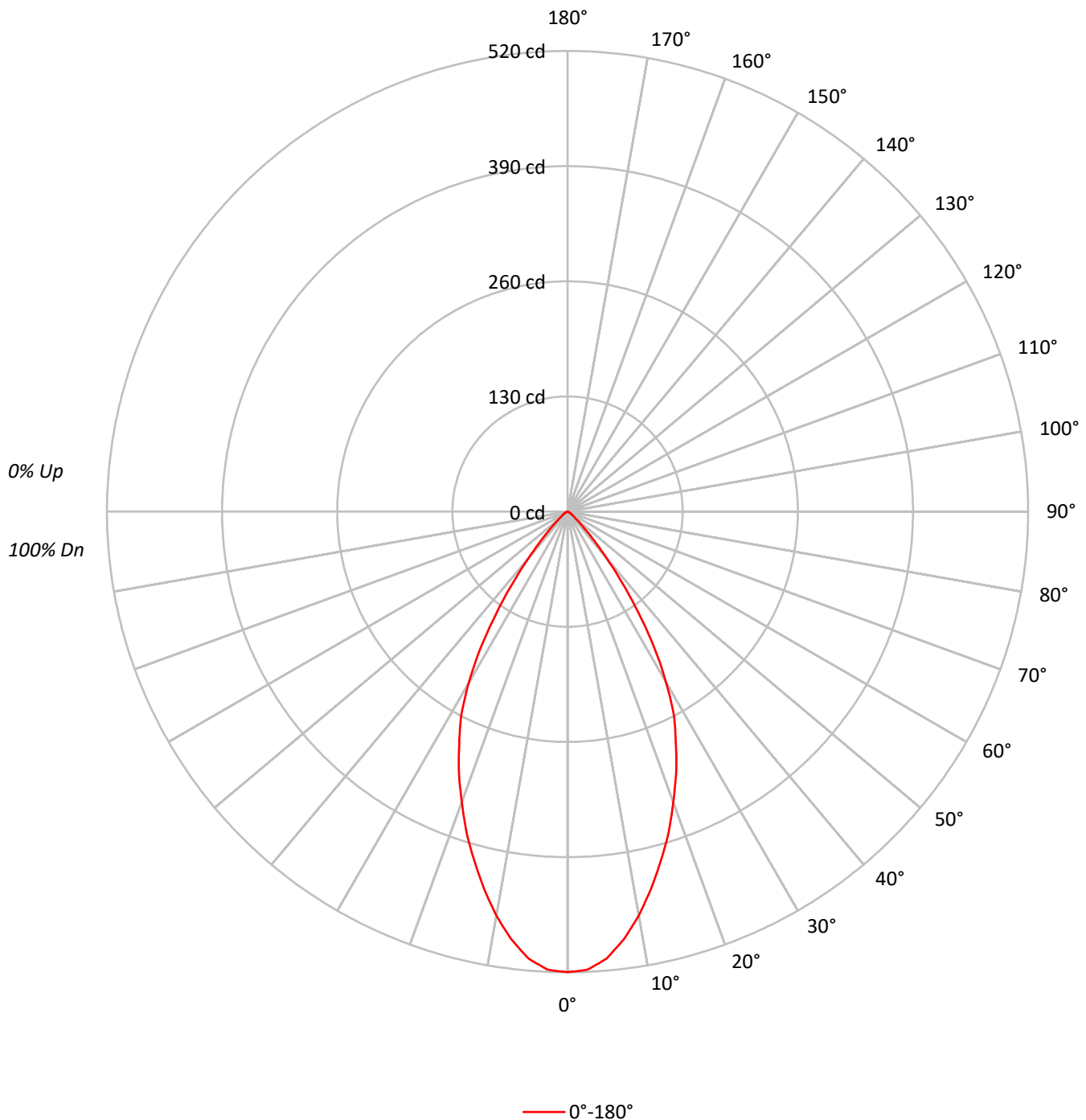
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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		
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°	63859
5°	62438
10°	57734
15°	51803
20°	45601
25°	39243
30°	31606
35°	21042
40°	10937
45°	4952
50°	2141
55°	1435
60°	934
65°	669
70°	539
75°	380
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	11.3
10°-20°	113.8	27.5
20°-30°	132.1	31.9
30°-40°	87.5	21.1
40°-50°	24.5	5.9
50°-60°	6.2	1.5
60°-70°	2.3	0.6
70°-80°	0.8	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°	292.7	70.7
0°-40°	380.2	91.8
0°-60°	410.9	99.2
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	520	
5°	506	47
15°	407	114
25°	290	132
35°	140	87
45°	28	25
55°	7	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	519.8
2.5°	517.5
5°	506.3
7.5°	486.8
10°	462.8
12.5°	435.8
15°	407.3
17.5°	379.5
20°	348.8
22.5°	320.3
25°	289.5
27.5°	260.3
30°	222.8
32.5°	183.0
35°	140.3
37.5°	100.5
40°	68.2
42.5°	44.2
45°	28.5
47.5°	17.3
50°	11.2
52.5°	8.2
55°	6.7
57.5°	5.3
60°	3.8
62.5°	3.0
65°	2.3
67.5°	1.5
70°	1.5
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)