

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: P699134

Luminaire Tested: **MRI-FEU6C-40-L935 F6X-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P699134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU6C-40-L935 F6X-N-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 6LBNH TRIM
Light Source: -
Ballast/Driver: -

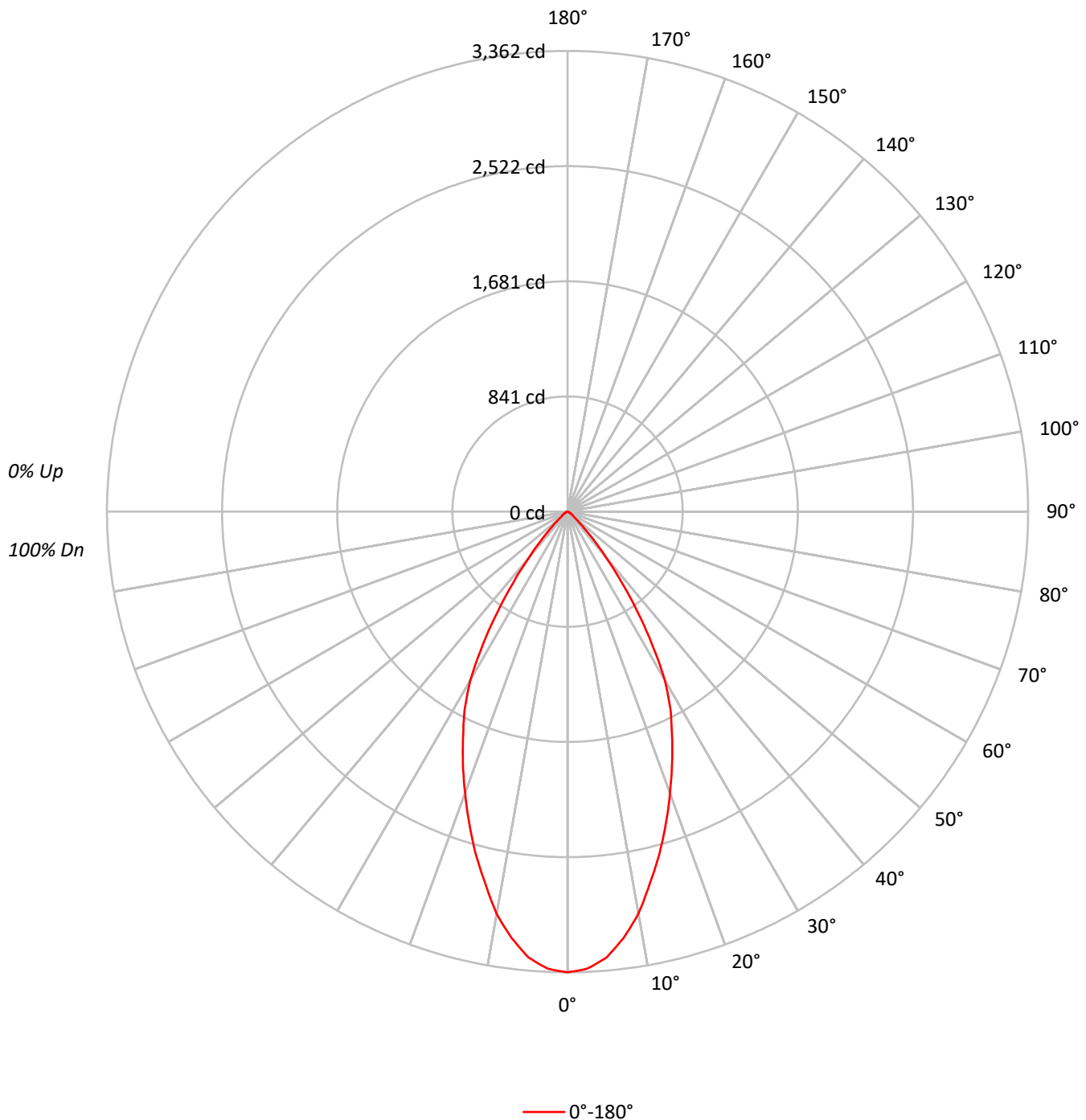
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2623.0 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	59	56		64	59	56		63
10	72	62	57	53	71	62	57	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184327
5°	179765
10°	165873
15°	146857
20°	127510
25°	109065
30°	89919
35°	59214
40°	31831
45°	14094
50°	5714
55°	4119
60°	2620
65°	1868
70°	1539
75°	1017
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.4	11.5
10°-20°	721.1	27.5
20°-30°	826.0	31.5
30°-40°	555.0	21.2
40°-50°	158.6	6.0
50°-60°	38.8	1.5
60°-70°	14.7	0.6
70°-80°	5.7	0.2
80°-90°	0.7	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°	1849.5	70.5
0°-40°	2404.5	91.7
0°-60°	2601.9	99.2
0°-90°	2623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3362	
5°	3267	302
15°	2588	721
25°	1803	826
35°	885	555
45°	182	159
55°	43	39
65°	14	15
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3362.4
2.5°	3338.5
5°	3266.7
7.5°	3137.5
10°	2979.8
12.5°	2778.8
15°	2587.6
17.5°	2386.7
20°	2185.7
22.5°	1994.5
25°	1803.1
27.5°	1626.1
30°	1420.5
32.5°	1147.8
35°	884.8
37.5°	645.6
40°	444.8
42.5°	291.7
45°	181.8
47.5°	110.0
50°	67.0
52.5°	52.6
55°	43.1
57.5°	33.5
60°	23.9
62.5°	19.1
65°	14.4
67.5°	9.6
70°	9.6
72.5°	4.8
75°	4.8
77.5°	4.8
80°	4.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)