

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: P697244

Luminaire Tested: **MRI-FEU6C-10-L927 F6X-W-X-LI**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU6C-10-L927 F6X-W-X-LI
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 6LBWLI TRIM
Light Source: -
Ballast/Driver: -

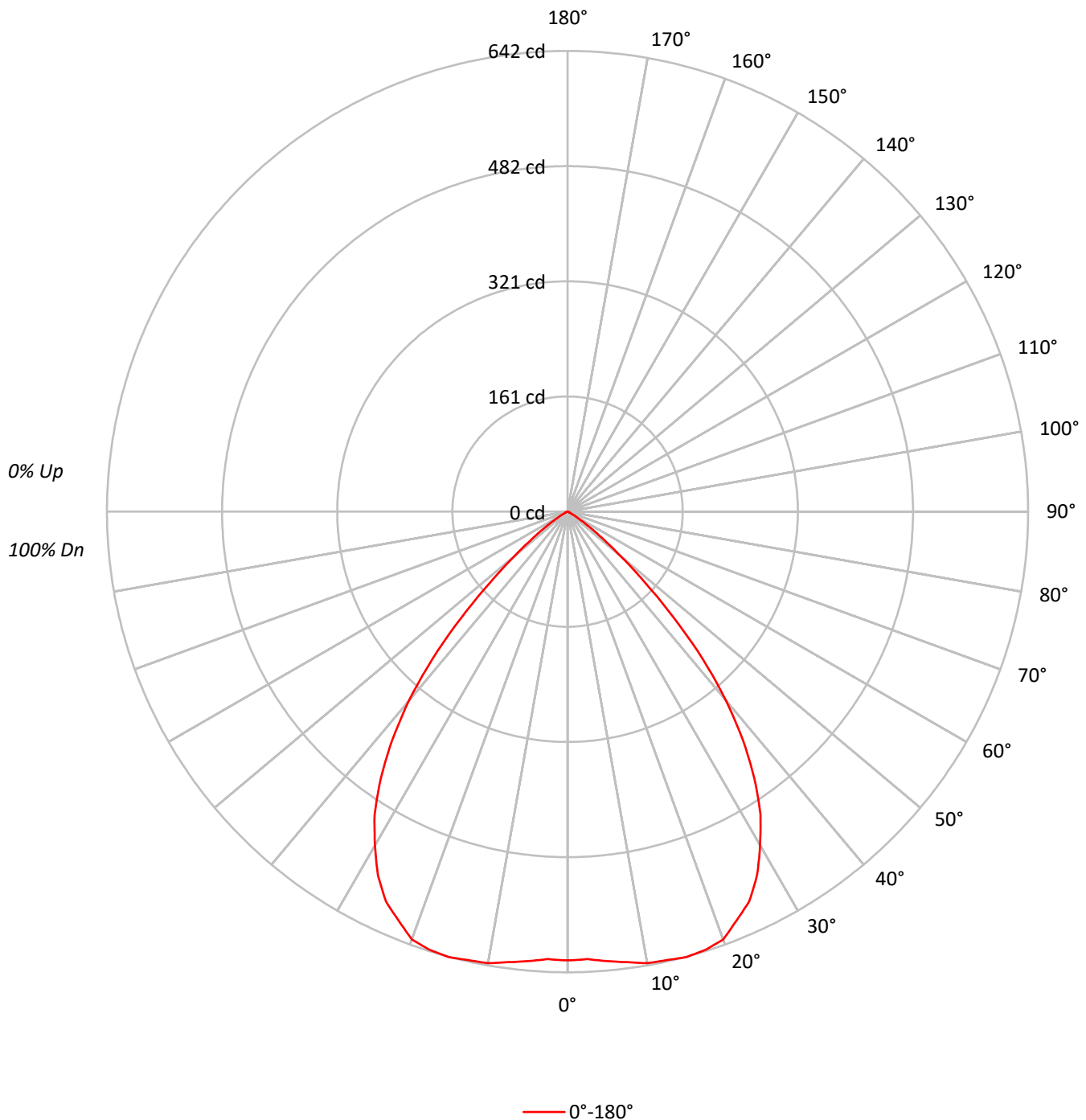
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' 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					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		
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92		
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83		
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76		
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69		
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63		
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57		
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52		
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48		
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34285
5°	34597
10°	35565
15°	36459
20°	37010
25°	36244
30°	33980
35°	30383
40°	24610
45°	16281
50°	8230
55°	3469
60°	1118
65°	441
70°	369
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	6.0
10°-20°	181.3	18.1
20°-30°	273.3	27.3
30°-40°	279.8	27.9
40°-50°	163.0	16.3
50°-60°	37.5	3.7
60°-70°	4.6	0.5
70°-80°	1.2	0.1
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°	515.0	51.4
0°-40°	794.7	79.4
0°-60°	995.2	99.4
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	625	
5°	629	60
15°	642	181
25°	599	273
35°	454	280
45°	210	163
55°	36	37
65°	3	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	625.4
2.5°	624.2
5°	628.7
7.5°	633.3
10°	638.9
12.5°	640.1
15°	642.4
17.5°	640.1
20°	634.4
22.5°	616.2
25°	599.2
27.5°	572.0
30°	536.8
32.5°	500.5
35°	454.0
37.5°	401.7
40°	343.9
42.5°	279.2
45°	210.0
47.5°	146.4
50°	96.5
52.5°	61.3
55°	36.3
57.5°	19.3
60°	10.2
62.5°	5.7
65°	3.4
67.5°	3.4
70°	2.3
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)