

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: P697414

Luminaire Tested: **MRI-FEU6C-10-L940 F6X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
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-L940 F6X-W-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBWH TRIM
Light Source: -
Ballast/Driver: -

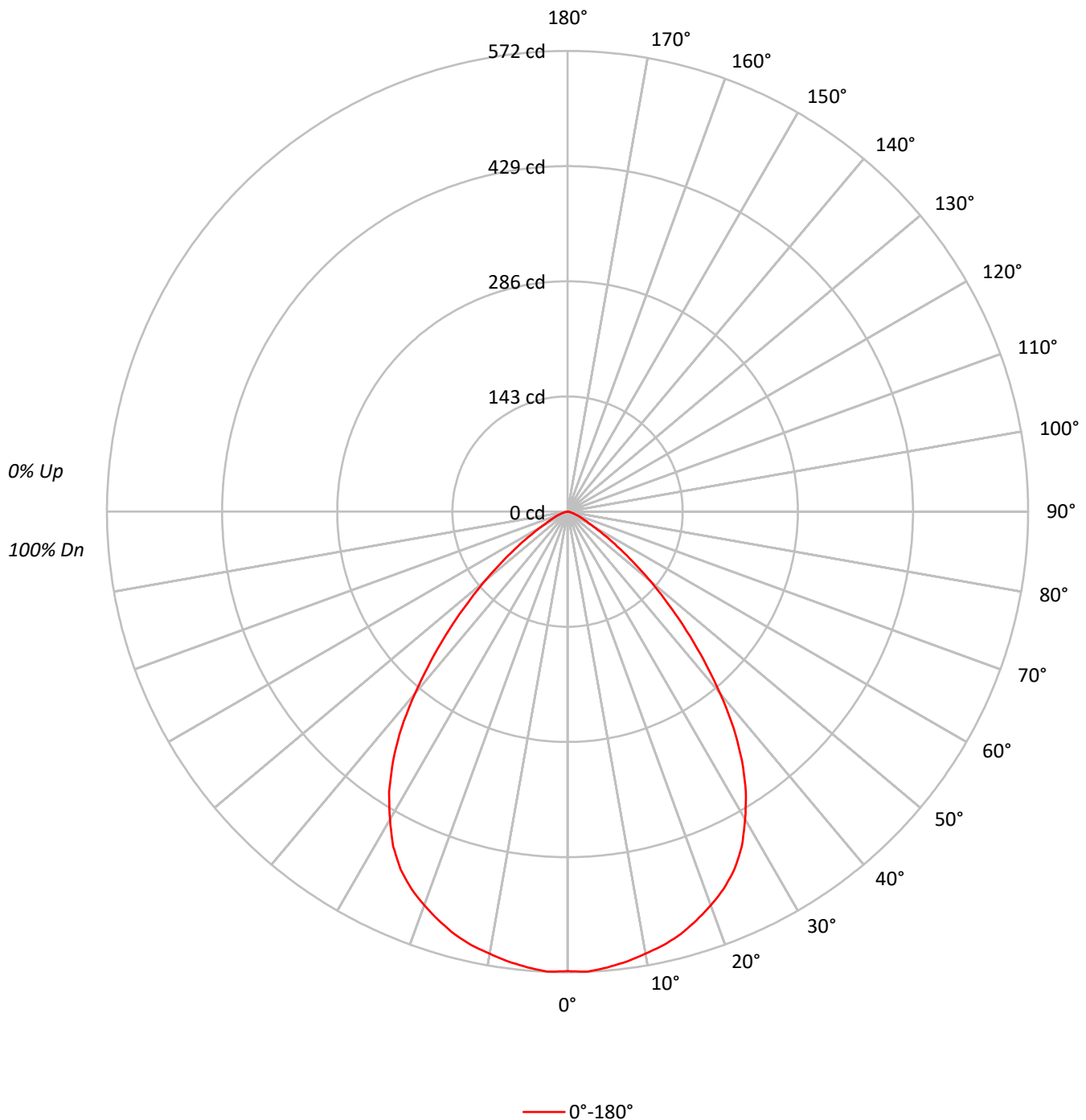
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.75
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

TEST NUMBER: P697414
CATALOG NUMBER: MRI-FEU6C-10-L940 F6X-W-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P697414

CATALOG NUMBER: MRI-FEU6C-10-L940 F6X-W-X-H

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41		
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31275
5°	31262
10°	31023
15°	30817
20°	30348
25°	29651
30°	27922
35°	25270
40°	21097
45°	16164
50°	11454
55°	7216
60°	4068
65°	2646
70°	1731
75°	1271
80°	758
85°	755



TEST NUMBER: P697414
 CATALOG NUMBER: MRI-FEU6C-10-L940 F6X-W-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	5.8
10°-20°	152.9	16.5
20°-30°	224.2	24.2
30°-40°	233.3	25.2
40°-50°	161.4	17.5
50°-60°	70.3	7.6
60°-70°	21.6	2.3
70°-80°	6.5	0.7
80°-90°	1.0	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°	431.0	46.6
0°-40°	664.3	71.8
0°-60°	896.0	96.9
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	570	
5°	568	54
15°	543	153
25°	490	224
35°	378	233
45°	208	161
55°	76	70
65°	20	22
75°	6	6
85°	1	1
90°	0	

TEST NUMBER: P697414

CATALOG NUMBER: MRI-FEU6C-10-L940 F6X-W-X-H

CANDELA DISTRIBUTION (FULL):

0°	
0°	570.5
2.5°	571.7
5°	568.1
7.5°	563.4
10°	557.3
12.5°	551.3
15°	543.0
17.5°	532.2
20°	520.2
22.5°	507.0
25°	490.2
27.5°	468.7
30°	441.1
32.5°	412.3
35°	377.6
37.5°	339.2
40°	294.8
42.5°	250.5
45°	208.5
47.5°	169.0
50°	134.3
52.5°	101.9
55°	75.5
57.5°	53.9
60°	37.1
62.5°	27.6
65°	20.4
67.5°	15.6
70°	10.8
72.5°	8.4
75°	6.0
77.5°	3.6
80°	2.4
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)