

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: P697474

Luminaire Tested: **MRI-FEU6C-10-L950 F6X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P697474
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-L950 F6X-W-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 6LBWH TRIM
Light Source: -
Ballast/Driver: -

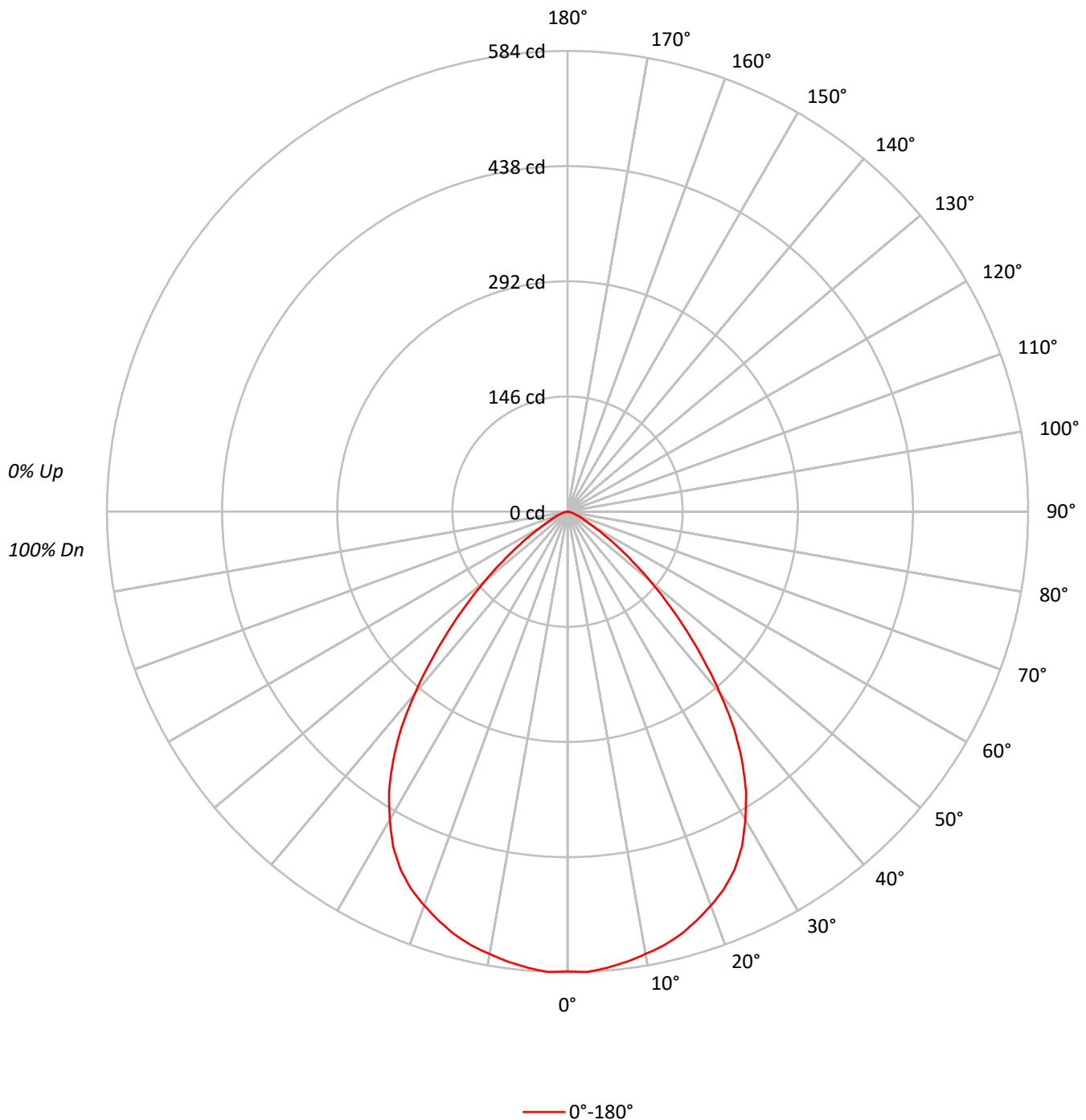
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 96.9 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: P697474
CATALOG NUMBER: MRI-FEU6C-10-L950 F6X-W-X-H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31949
5°	31939
10°	31696
15°	31481
20°	31001
25°	30292
30°	28523
35°	25812
40°	21555
45°	16513
50°	11701
55°	7378
60°	4155
65°	2698
70°	1763
75°	1292
80°	789
85°	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	5.8
10°-20°	156.2	16.5
20°-30°	229.0	24.2
30°-40°	238.4	25.2
40°-50°	164.9	17.4
50°-60°	71.8	7.6
60°-70°	22.0	2.3
70°-80°	6.6	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°	440.3	46.6
0°-40°	678.7	71.8
0°-60°	915.4	96.9
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	583	
5°	580	55
15°	555	156
25°	501	229
35°	386	238
45°	213	165
55°	77	72
65°	21	22
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	582.8
2.5°	584.1
5°	580.4
7.5°	575.5
10°	569.4
12.5°	563.3
15°	554.7
17.5°	543.7
20°	531.4
22.5°	518.0
25°	500.8
27.5°	478.8
30°	450.6
32.5°	421.2
35°	385.7
37.5°	346.6
40°	301.2
42.5°	255.9
45°	213.0
47.5°	172.6
50°	137.2
52.5°	104.1
55°	77.2
57.5°	55.1
60°	37.9
62.5°	28.2
65°	20.8
67.5°	15.9
70°	11.0
72.5°	8.6
75°	6.1
77.5°	3.7
80°	2.5
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)