

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: P699214

Luminaire Tested: **MRI-FEU6C-40-L940 F6X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P699214
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-40-L940 F6X-W-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBWH TRIM
Light Source: -
Ballast/Driver: -

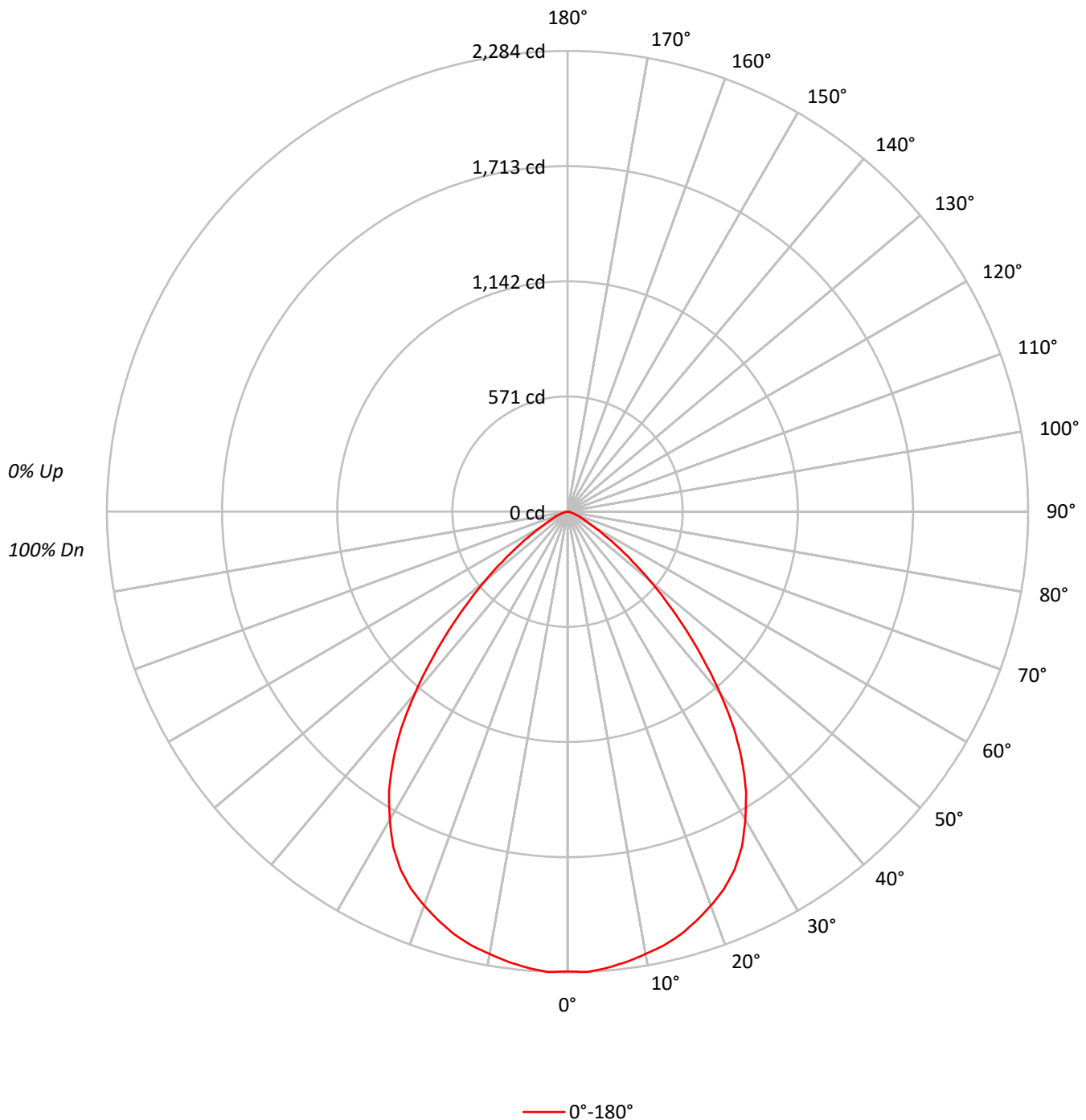
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3695.9 lumens
Efficiency: N/A
Efficacy: 78.6 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): 47
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
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°	124968
5°	124923
10°	123962
15°	123128
20°	121256
25°	118483
30°	111561
35°	100960
40°	84308
45°	64596
50°	45747
55°	28845
60°	16271
65°	10559
70°	6892
75°	5062
80°	3031
85°	3019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	5.8
10°-20°	610.9	16.5
20°-30°	895.8	24.2
30°-40°	932.3	25.2
40°-50°	645.0	17.5
50°-60°	280.8	7.6
60°-70°	86.1	2.3
70°-80°	25.8	0.7
80°-90°	3.9	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°	1722.0	46.6
0°-40°	2654.3	71.8
0°-60°	3580.1	96.9
0°-90°	3695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3695.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2280	
5°	2270	215
15°	2170	611
25°	1959	896
35°	1509	932
45°	833	645
55°	302	281
65°	81	86
75°	24	26
85°	5	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2279.6
2.5°	2284.4
5°	2270.1
7.5°	2251.0
10°	2226.9
12.5°	2202.9
15°	2169.5
17.5°	2126.3
20°	2078.5
22.5°	2025.8
25°	1958.8
27.5°	1872.6
30°	1762.4
32.5°	1647.4
35°	1508.6
37.5°	1355.4
40°	1178.1
42.5°	1000.9
45°	833.2
47.5°	675.2
50°	536.4
52.5°	407.2
55°	301.8
57.5°	215.5
60°	148.4
62.5°	110.2
65°	81.4
67.5°	62.3
70°	43.0
72.5°	33.6
75°	23.9
77.5°	14.3
80°	9.6
82.5°	4.8
85°	4.8
87.5°	0.0
90°	0.0

(END OF REPORT)