

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: P698994

Luminaire Tested: **MRI-FEU6C-40-L927 F6X-M-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
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-L927 F6X-M-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 6LBMH TRIM
Light Source: -
Ballast/Driver: -

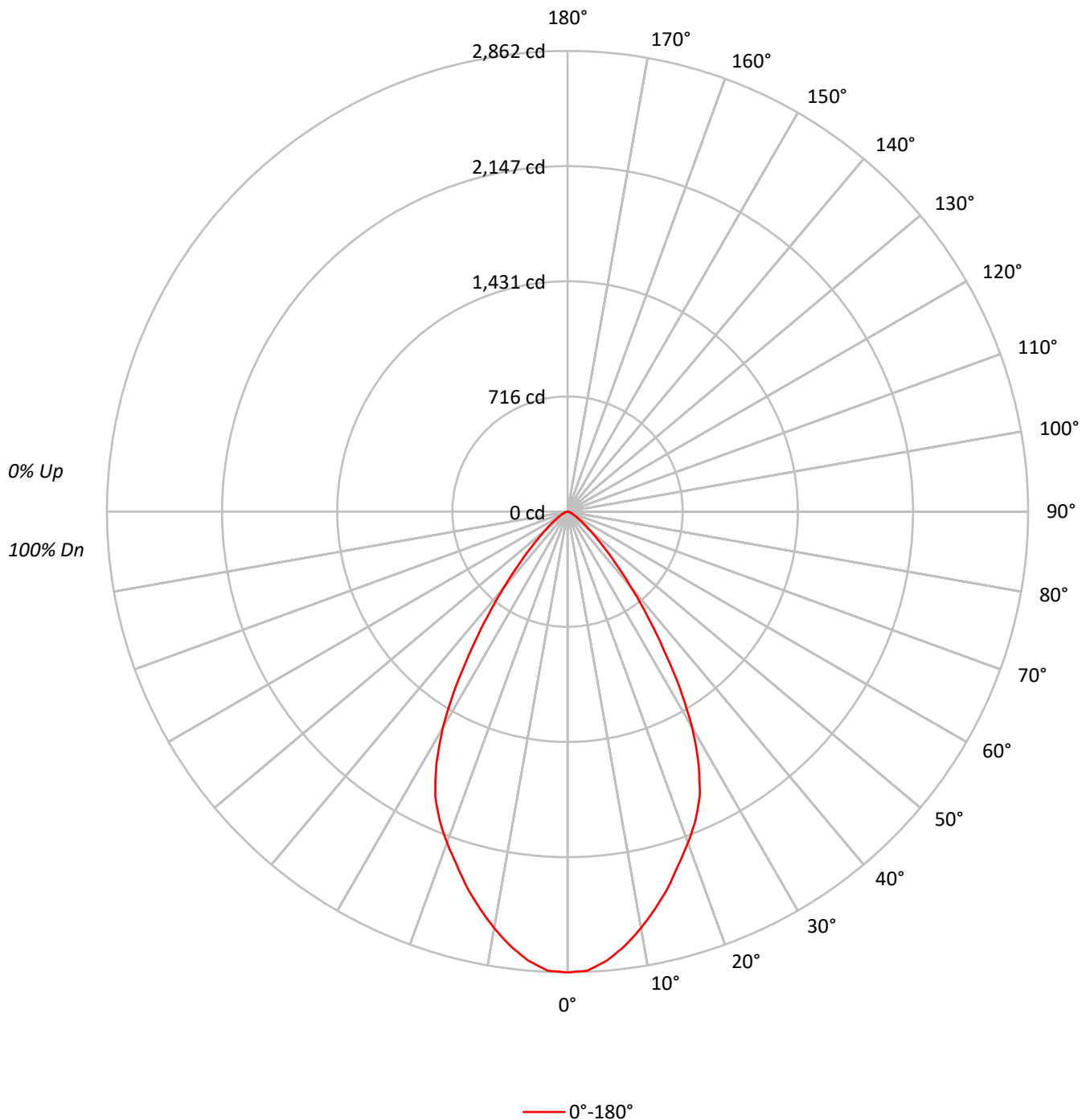
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2892.1 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	93		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	84		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	78	74		80	76	73
5	90	81	75	70		88	80	74	70		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	75	69	64		73	68	64		72	67	63		70	66	63
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	76	66	60	55		75	65	59	55		64	59	55		63	58	55		62	58	54
9	72	62	56	51		71	61	55	51		60	55	51		60	55	51		59	54	51
10	69	58	52	48		68	58	52	48		57	52	48		56	51	48		55	51	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156901
5°	154088
10°	146218
15°	137112
20°	127697
25°	117660
30°	98034
35°	69098
40°	44040
45°	26259
50°	15505
55°	9863
60°	6787
65°	4825
70°	3318
75°	2626
80°	1294
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	9.0
10°-20°	677.0	23.4
20°-30°	877.2	30.3
30°-40°	651.2	22.5
40°-50°	274.9	9.5
50°-60°	97.6	3.4
60°-70°	37.7	1.3
70°-80°	13.1	0.5
80°-90°	1.7	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°	1815.9	62.8
0°-40°	2467.1	85.3
0°-60°	2839.6	98.2
0°-90°	2892.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2892.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2862	
5°	2800	262
15°	2416	677
25°	1945	877
35°	1032	651
45°	339	275
55°	103	98
65°	37	38
75°	12	13
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2862.1
2.5°	2853.8
5°	2800.1
7.5°	2721.6
10°	2626.7
12.5°	2523.4
15°	2415.9
17.5°	2296.3
20°	2188.9
22.5°	2077.4
25°	1945.2
27.5°	1763.4
30°	1548.7
32.5°	1296.7
35°	1032.5
37.5°	809.5
40°	615.4
42.5°	458.4
45°	338.7
47.5°	247.8
50°	181.8
52.5°	136.3
55°	103.2
57.5°	78.4
60°	61.9
62.5°	45.5
65°	37.2
67.5°	28.9
70°	20.7
72.5°	16.5
75°	12.4
77.5°	8.3
80°	4.1
82.5°	4.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)