

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: P698594

Luminaire Tested: **MRI-FEU6C-30-L940 F6X-N-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 08/03/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: MRI-FEU6C-30-L940 F6X-N-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBNH TRIM
Light Source: -
Ballast/Driver: -

Summary

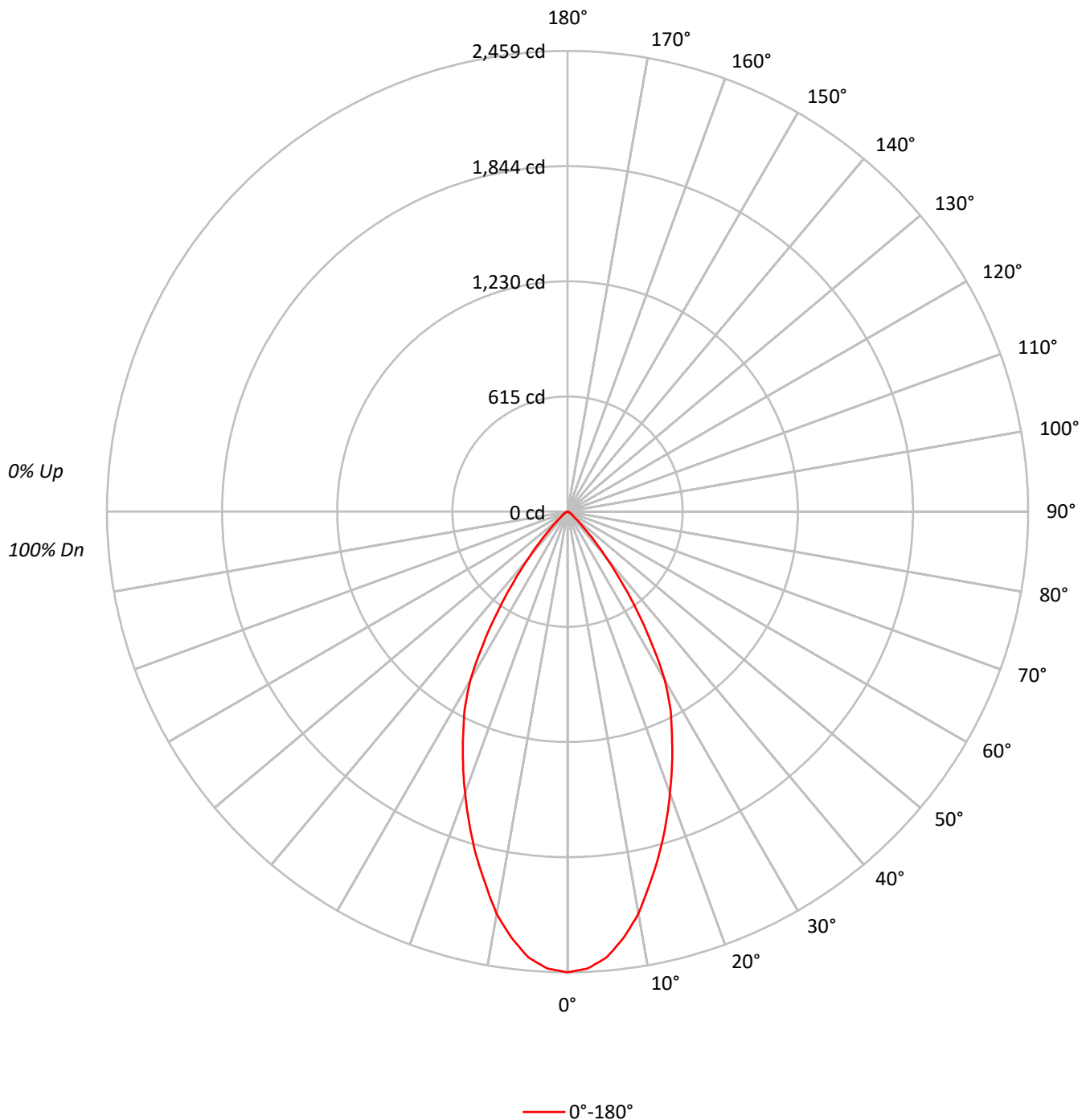
Lumens per Lamp: N/A
Luminaire Lumens: 1918.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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

TEST NUMBER: P698594

CATALOG NUMBER: MRI-FEU6C-30-L940 F6X-N-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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	111	108	106	111	109	106	104	104	103	101		101	99	98		93
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		81
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		70
6	88	79	73	69	86	78	72	68	77	72	68		75	71	67		65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		61
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		58
9	76	66	60	56	75	66	60	56	65	59	56		64	59	56		54
10	72	62	57	53	71	62	57	53	61	56	53		60	56	52		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	134786
5°	131449
10°	121290
15°	107384
20°	93242
25°	79753
30°	65751
35°	43299
40°	23279
45°	10303
50°	4179
55°	3011
60°	1919
65°	1375
70°	1122
75°	741
80°	1105
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	11.5
10°-20°	527.3	27.5
20°-30°	604.0	31.5
30°-40°	405.8	21.2
40°-50°	115.9	6.0
50°-60°	28.4	1.5
60°-70°	10.8	0.6
70°-80°	4.2	0.2
80°-90°	0.5	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°	1352.4	70.5
0°-40°	1758.2	91.7
0°-60°	1902.5	99.2
0°-90°	1918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1918.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2459	
5°	2389	221
15°	1892	527
25°	1318	604
35°	647	406
45°	133	116
55°	32	28
65°	11	11
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2458.7
2.5°	2441.2
5°	2388.7
7.5°	2294.2
10°	2178.9
12.5°	2031.9
15°	1892.1
17.5°	1745.2
20°	1598.3
22.5°	1458.4
25°	1318.5
27.5°	1189.1
30°	1038.7
32.5°	839.3
35°	647.0
37.5°	472.1
40°	325.3
42.5°	213.3
45°	132.9
47.5°	80.4
50°	49.0
52.5°	38.4
55°	31.5
57.5°	24.5
60°	17.5
62.5°	13.9
65°	10.6
67.5°	7.0
70°	7.0
72.5°	3.5
75°	3.5
77.5°	3.5
80°	3.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)