

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: P698934

Luminaire Tested: **MRI-FEU6C-35-L950 F6X-M-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698934
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-35-L950 F6X-M-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 6LBMH TRIM
Light Source: -
Ballast/Driver: -

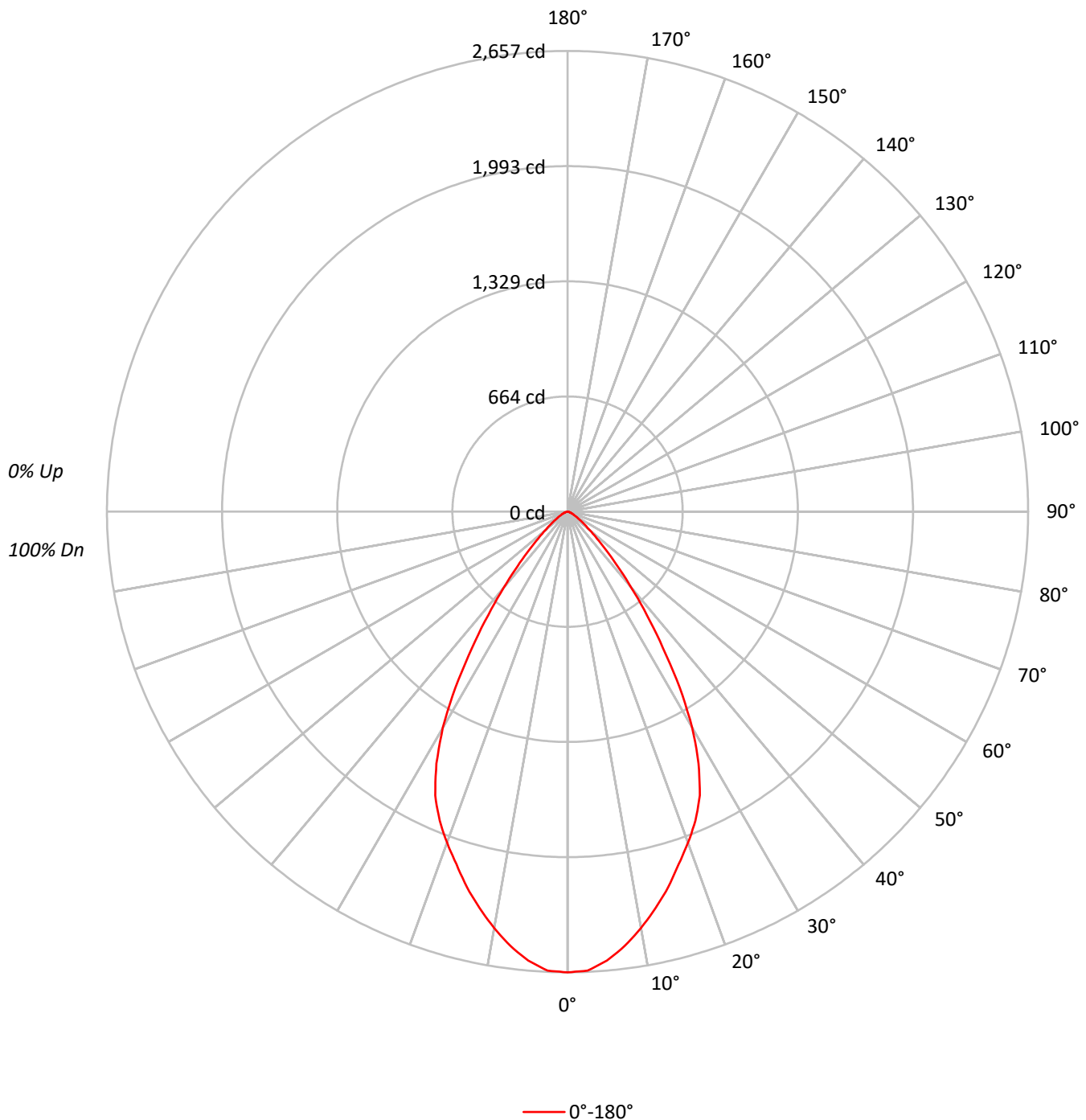
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2685.0 lumens
Efficiency: N/A
Efficacy: 66.5 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): 40.4
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: P698934
CATALOG NUMBER: MRI-FEU6C-35-L950 F6X-M-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P698934

CATALOG NUMBER: MRI-FEU6C-35-L950 F6X-M-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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	93	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	84	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	60	55	75	65	59	55	64	59	55		63	58	55		62
9	72	62	56	51	71	61	55	51	60	55	51		60	55	51		59
10	69	58	52	48	68	58	52	48	57	52	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145668
5°	143060
10°	135752
15°	127299
20°	118555
25°	109234
30°	91020
35°	64152
40°	40884
45°	24382
50°	14388
55°	9156
60°	6304
65°	4475
70°	3077
75°	2436
80°	1200
85°	0



TEST NUMBER: P698934
 CATALOG NUMBER: MRI-FEU6C-35-L950 F6X-M-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	9.0
10°-20°	628.5	23.4
20°-30°	814.4	30.3
30°-40°	604.6	22.5
40°-50°	255.2	9.5
50°-60°	90.6	3.4
60°-70°	35.0	1.3
70°-80°	12.1	0.5
80°-90°	1.5	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°	1685.9	62.8
0°-40°	2290.5	85.3
0°-60°	2636.4	98.2
0°-90°	2685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2685.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2657	
5°	2600	243
15°	2243	629
25°	1806	814
35°	959	605
45°	314	255
55°	96	91
65°	34	35
75°	12	12
85°	0	2
90°	0	



TEST NUMBER: P698934

CATALOG NUMBER: MRI-FEU6C-35-L950 F6X-M-X-H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2657.2
2.5°	2649.5
5°	2599.7
7.5°	2526.8
10°	2438.7
12.5°	2342.7
15°	2243.0
17.5°	2131.9
20°	2032.2
22.5°	1928.7
25°	1805.9
27.5°	1637.2
30°	1437.9
32.5°	1203.9
35°	958.6
37.5°	751.6
40°	571.3
42.5°	425.6
45°	314.5
47.5°	230.0
50°	168.7
52.5°	126.5
55°	95.8
57.5°	72.8
60°	57.5
62.5°	42.2
65°	34.5
67.5°	26.8
70°	19.2
72.5°	15.3
75°	11.5
77.5°	7.7
80°	3.8
82.5°	3.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)