

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: P698874

Luminaire Tested: **MRI-FEU6C-35-L940 F6X-M-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698874
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-L940 F6X-M-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBMH TRIM
Light Source: -
Ballast/Driver: -

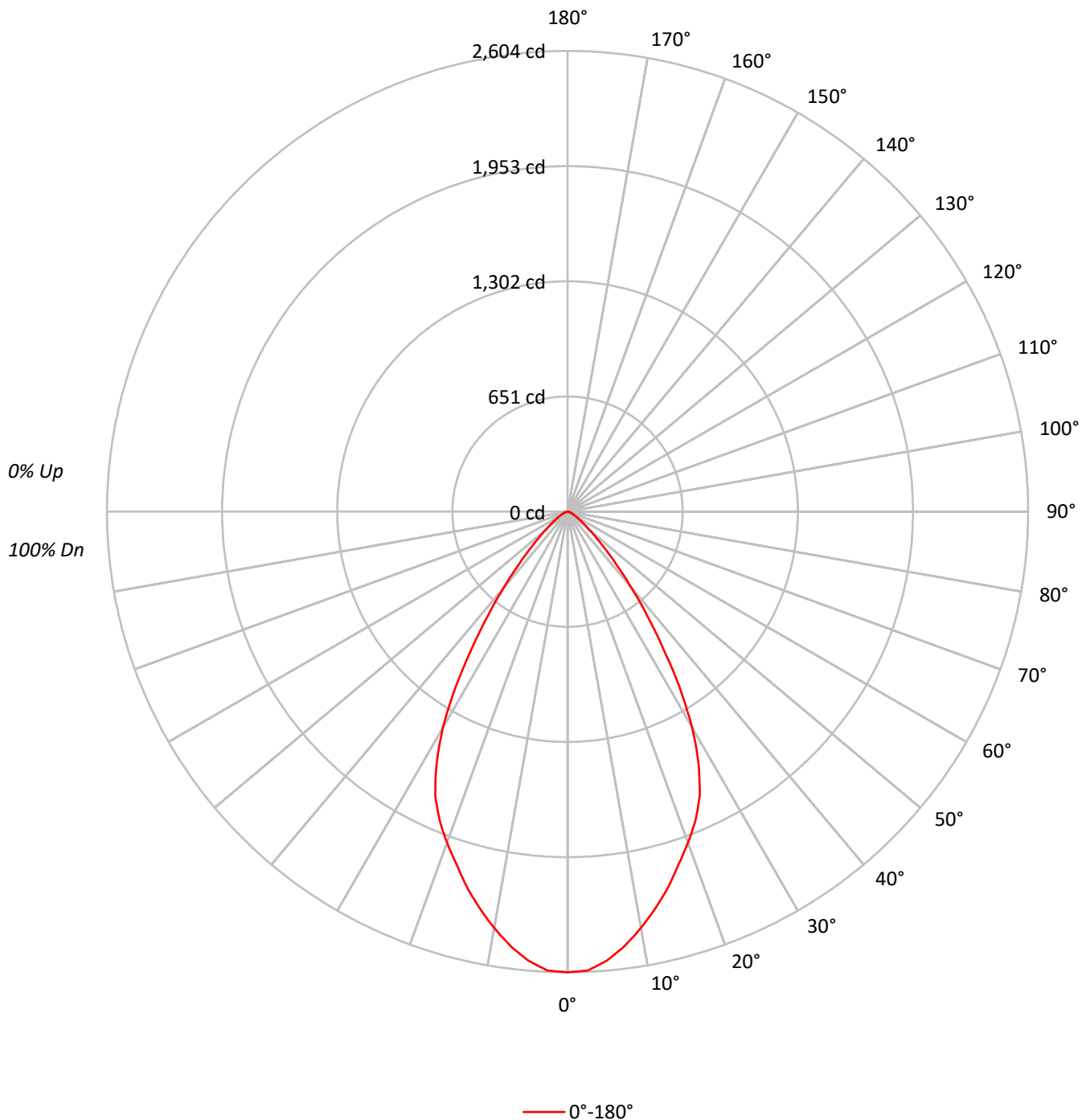
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2631.0 lumens
Efficiency: N/A
Efficacy: 65.1 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

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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	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°	142741
5°	140182
10°	133019
15°	124740
20°	116169
25°	107038
30°	89191
35°	62861
40°	40061
45°	23894
50°	14106
55°	8975
60°	6184
65°	4384
70°	3013
75°	2393
80°	1168
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	9.0
10°-20°	615.9	23.4
20°-30°	798.0	30.3
30°-40°	592.5	22.5
40°-50°	250.1	9.5
50°-60°	88.8	3.4
60°-70°	34.3	1.3
70°-80°	11.9	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°	1652.0	62.8
0°-40°	2244.4	85.3
0°-60°	2583.4	98.2
0°-90°	2631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2631.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2604	
5°	2547	238
15°	2198	616
25°	1770	798
35°	939	592
45°	308	250
55°	94	89
65°	34	34
75°	11	12
85°	0	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2603.8
2.5°	2596.2
5°	2547.4
7.5°	2476.0
10°	2389.6
12.5°	2295.6
15°	2197.9
17.5°	2089.0
20°	1991.3
22.5°	1889.9
25°	1769.6
27.5°	1604.3
30°	1409.0
32.5°	1179.7
35°	939.3
37.5°	736.4
40°	559.8
42.5°	417.0
45°	308.2
47.5°	225.4
50°	165.4
52.5°	124.0
55°	93.9
57.5°	71.3
60°	56.4
62.5°	41.4
65°	33.8
67.5°	26.2
70°	18.8
72.5°	15.0
75°	11.3
77.5°	7.6
80°	3.7
82.5°	3.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)