

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: P698794

Luminaire Tested: **MRI-FEU6C-35-L930 F6X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698794
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-35-L930 F6X-W-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBWH TRIM
Light Source: -
Ballast/Driver: -

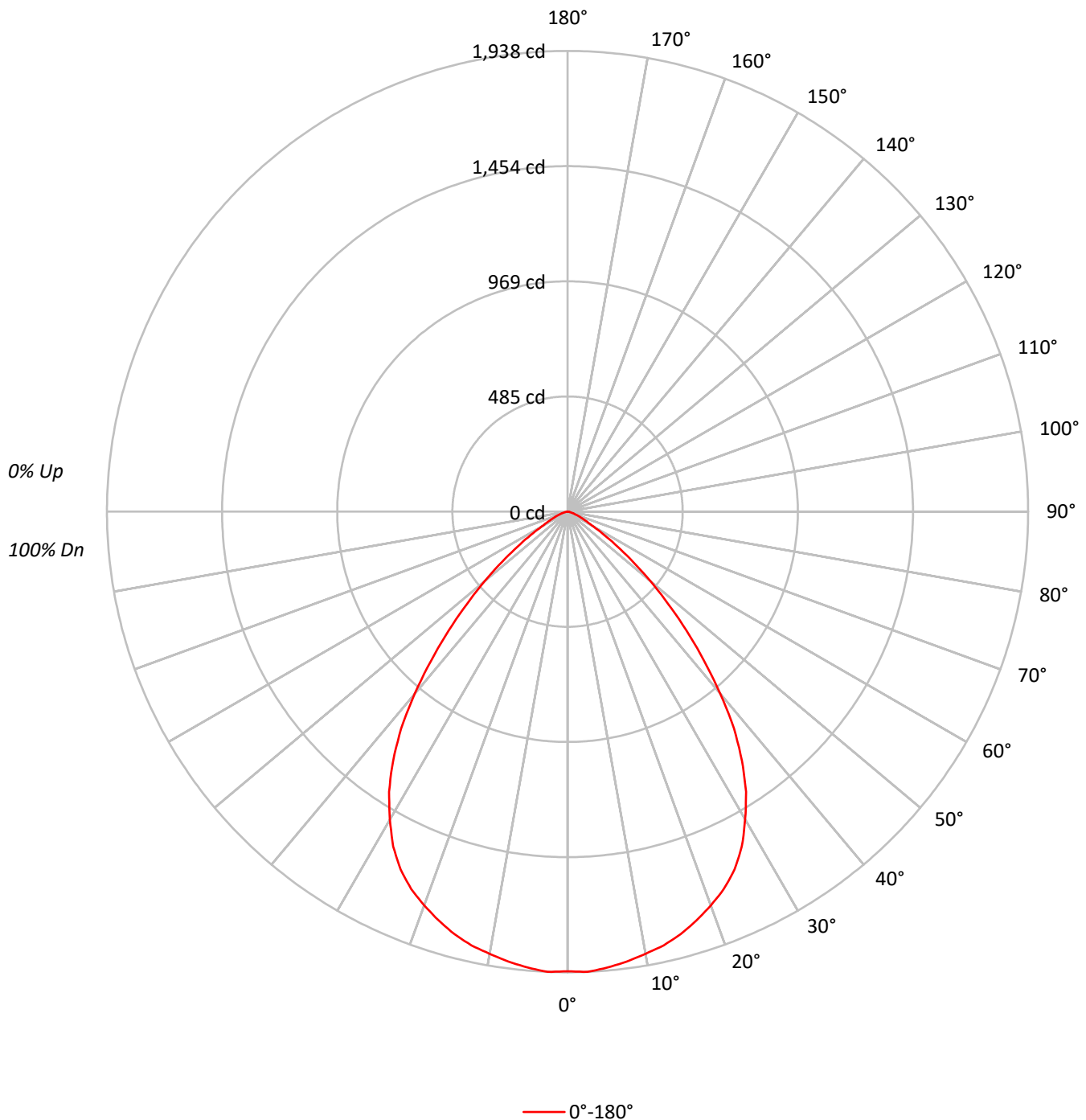
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3135.0 lumens
Efficiency: N/A
Efficacy: 77.6 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): 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	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°	106000
5°	105959
10°	105147
15°	104439
20°	102851
25°	100500
30°	94628
35°	85635
40°	71513
45°	54796
50°	38805
55°	24467
60°	13804
65°	8963
70°	5850
75°	4300
80°	2589
85°	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	5.8
10°-20°	518.2	16.5
20°-30°	759.8	24.2
30°-40°	790.8	25.2
40°-50°	547.1	17.5
50°-60°	238.2	7.6
60°-70°	73.1	2.3
70°-80°	21.9	0.7
80°-90°	3.3	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°	1460.6	46.6
0°-40°	2251.4	71.8
0°-60°	3036.7	96.9
0°-90°	3135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3135.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1934	
5°	1926	183
15°	1840	518
25°	1662	760
35°	1280	791
45°	707	547
55°	256	238
65°	69	73
75°	20	22
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1933.6
2.5°	1937.6
5°	1925.5
7.5°	1909.3
10°	1888.9
12.5°	1868.6
15°	1840.2
17.5°	1803.6
20°	1763.0
22.5°	1718.3
25°	1661.5
27.5°	1588.3
30°	1494.9
32.5°	1397.3
35°	1279.6
37.5°	1149.7
40°	999.3
42.5°	849.0
45°	706.8
47.5°	572.7
50°	455.0
52.5°	345.4
55°	256.0
57.5°	182.8
60°	125.9
62.5°	93.5
65°	69.1
67.5°	52.9
70°	36.5
72.5°	28.5
75°	20.3
77.5°	12.1
80°	8.2
82.5°	4.1
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)