

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: P698494

Luminaire Tested: **MRI-FEU6C-30-L930 F6X-W-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P698494
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-30-L930 F6X-W-X-H
Description: 6 INCH FAIL-SAFE MRI LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBWH TRIM
Light Source: -
Ballast/Driver: -

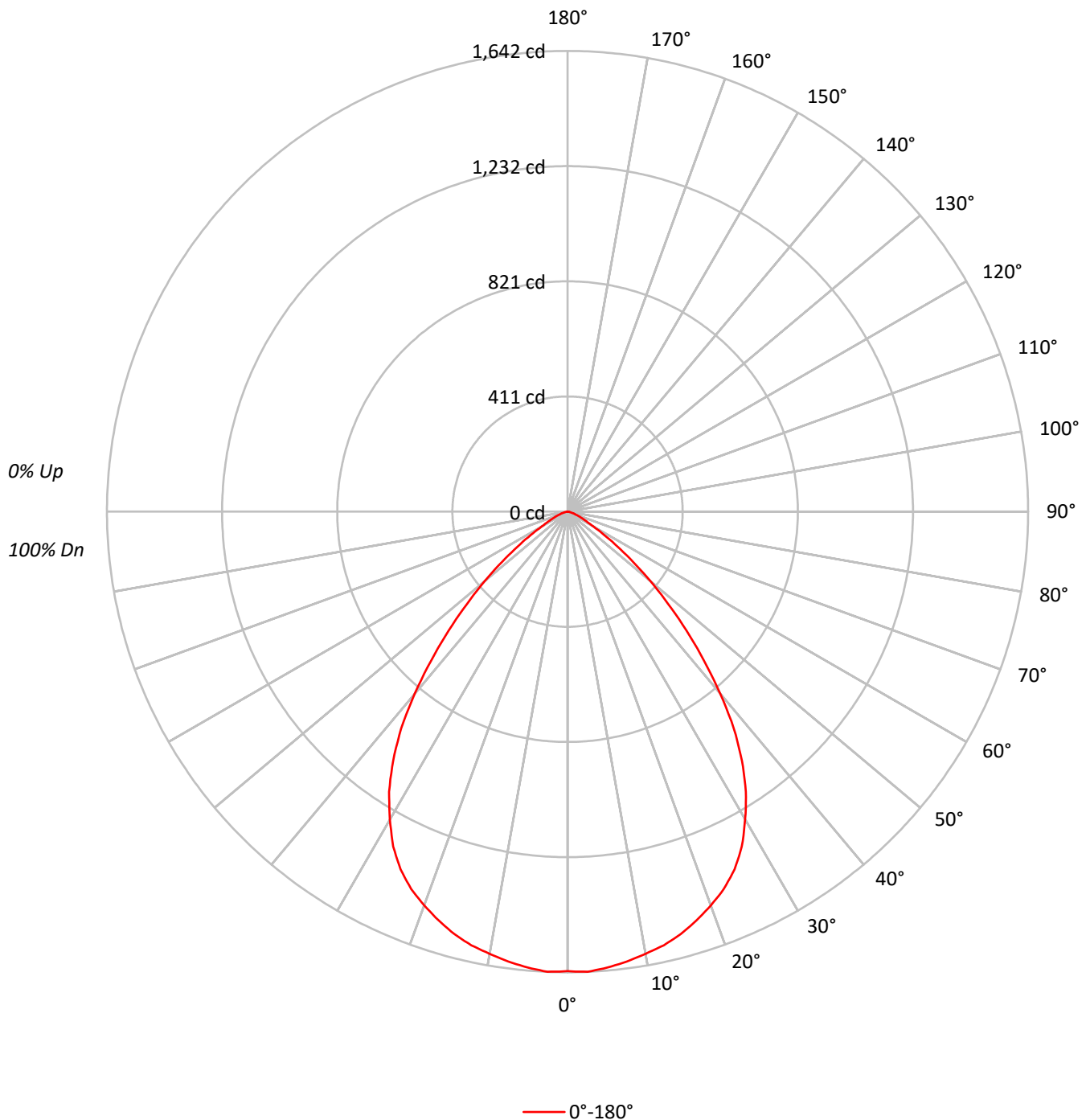
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.0 lumens
Efficiency: N/A
Efficacy: 84.1 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): 31.6
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				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	112	109	106	103	110	107	104	101	103	100	98		99	97	95		91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		73
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		65
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		59
6	80	69	62	57	78	68	61	56	67	61	56		65	60	56		53
7	75	64	56	51	73	63	56	51	62	55	51		60	55	51		49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		44
9	66	55	48	43	65	54	47	43	53	47	43		52	47	42		41
10	62	51	44	40	61	50	44	39	50	43	39		49	43	39		38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89801
5°	89770
10°	89082
15°	88485
20°	87134
25°	85142
30°	80171
35°	72551
40°	60585
45°	46423
50°	32877
55°	20730
60°	11688
65°	7588
70°	4953
75°	3643
80°	2178
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	5.8
10°-20°	439.0	16.5
20°-30°	643.7	24.2
30°-40°	669.9	25.2
40°-50°	463.5	17.5
50°-60°	201.8	7.6
60°-70°	61.9	2.3
70°-80°	18.5	0.7
80°-90°	2.8	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°	1237.5	46.6
0°-40°	1907.4	71.8
0°-60°	2572.7	96.9
0°-90°	2656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1638	
5°	1631	155
15°	1559	439
25°	1408	644
35°	1084	670
45°	599	464
55°	217	202
65°	58	62
75°	17	19
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1638.1
2.5°	1641.6
5°	1631.3
7.5°	1617.6
10°	1600.3
12.5°	1583.1
15°	1559.1
17.5°	1528.0
20°	1493.6
22.5°	1455.8
25°	1407.6
27.5°	1345.7
30°	1266.5
32.5°	1183.8
35°	1084.1
37.5°	974.0
40°	846.6
42.5°	719.3
45°	598.8
47.5°	485.2
50°	385.5
52.5°	292.6
55°	216.9
57.5°	154.9
60°	106.6
62.5°	79.2
65°	58.5
67.5°	44.8
70°	30.9
72.5°	24.1
75°	17.2
77.5°	10.3
80°	6.9
82.5°	3.5
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)