

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: P204523

Luminaire Tested: **MRI-DRV-FLD6C-30-L930 F6LC-M-X-H**

Issue Date: 08/03/2023



Test Information

Test Method: LM-79-08
Report Number: P204523
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-DRV-FLD6C-30-L930 F6LC-M-X-H
Description: 6 INCH FAIL-SAFE MRI REMOTE DRIVER LED DOWNLIGHT WITH 3000K, 90 CRI
LEDS, 6LBMH TRIM
Light Source: -
Ballast/Driver: -

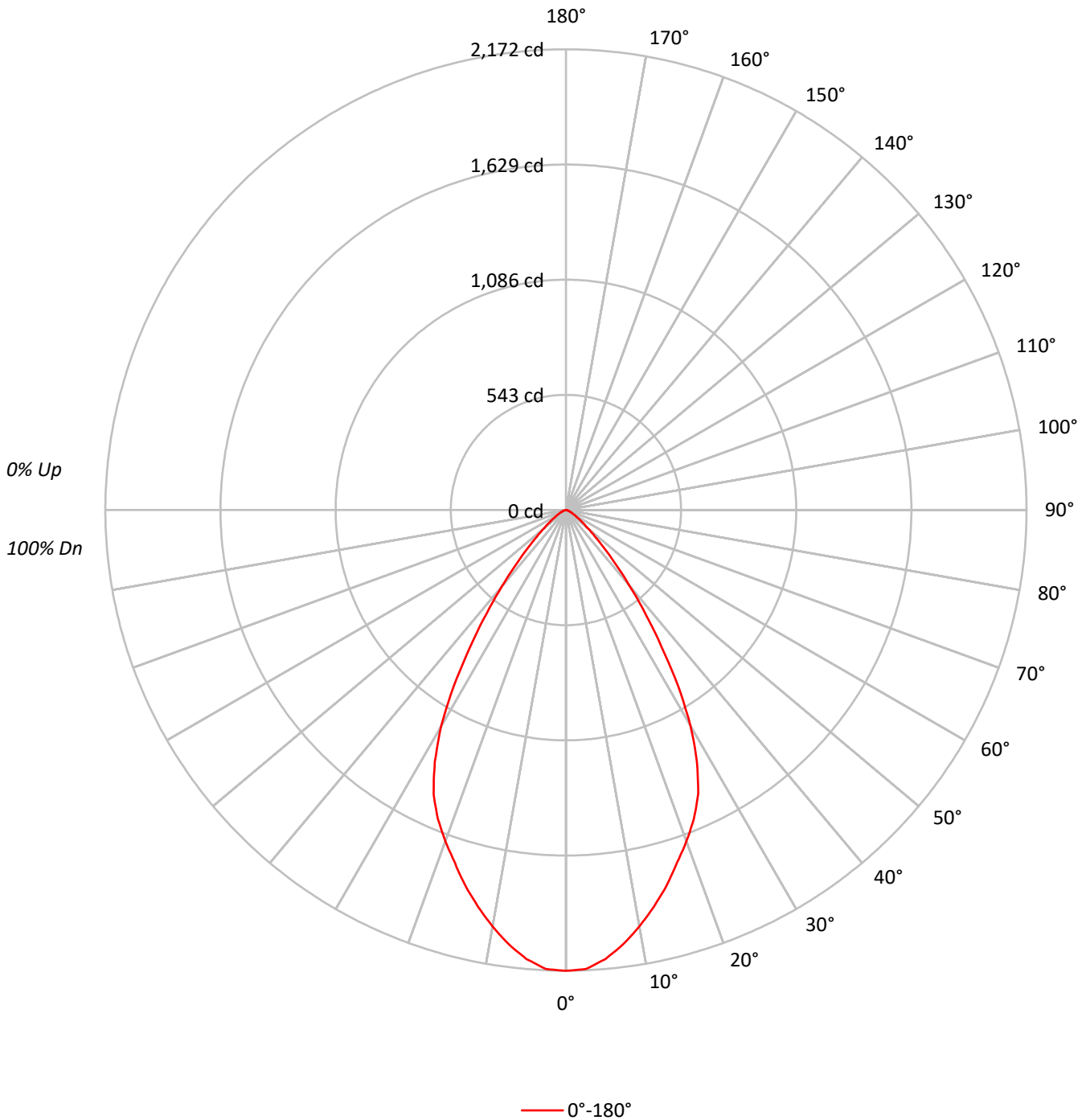
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2195.0 lumens
Efficiency: N/A
Efficacy: 69.5 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): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119086
5°	116954
10°	110975
15°	104070
20°	96918
25°	89304
30°	74410
35°	52441
40°	33420
45°	19932
50°	11761
55°	7484
60°	5153
65°	3658
70°	2516
75°	1991
80°	979
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.6	9.0
10°-20°	513.8	23.4
20°-30°	665.8	30.3
30°-40°	494.3	22.5
40°-50°	208.7	9.5
50°-60°	74.1	3.4
60°-70°	28.6	1.3
70°-80°	9.9	0.5
80°-90°	1.3	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°	1378.2	62.8
0°-40°	1872.5	85.3
0°-60°	2155.2	98.2
0°-90°	2195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2195.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2172	
5°	2125	199
15°	1834	514
25°	1476	666
35°	784	494
45°	257	209
55°	78	74
65°	28	29
75°	9	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2172.3
2.5°	2166.0
5°	2125.3
7.5°	2065.6
10°	1993.6
12.5°	1915.2
15°	1833.7
17.5°	1742.9
20°	1661.3
22.5°	1576.7
25°	1476.4
27.5°	1338.4
30°	1175.5
32.5°	984.2
35°	783.6
37.5°	614.4
40°	467.0
42.5°	347.9
45°	257.1
47.5°	188.1
50°	137.9
52.5°	103.4
55°	78.3
57.5°	59.5
60°	47.0
62.5°	34.5
65°	28.2
67.5°	21.9
70°	15.7
72.5°	12.5
75°	9.4
77.5°	6.3
80°	3.1
82.5°	3.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)