

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: P573066

Luminaire Tested: **FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBNLI TRIM

Light Source: -
Ballast/Driver: -

Summary

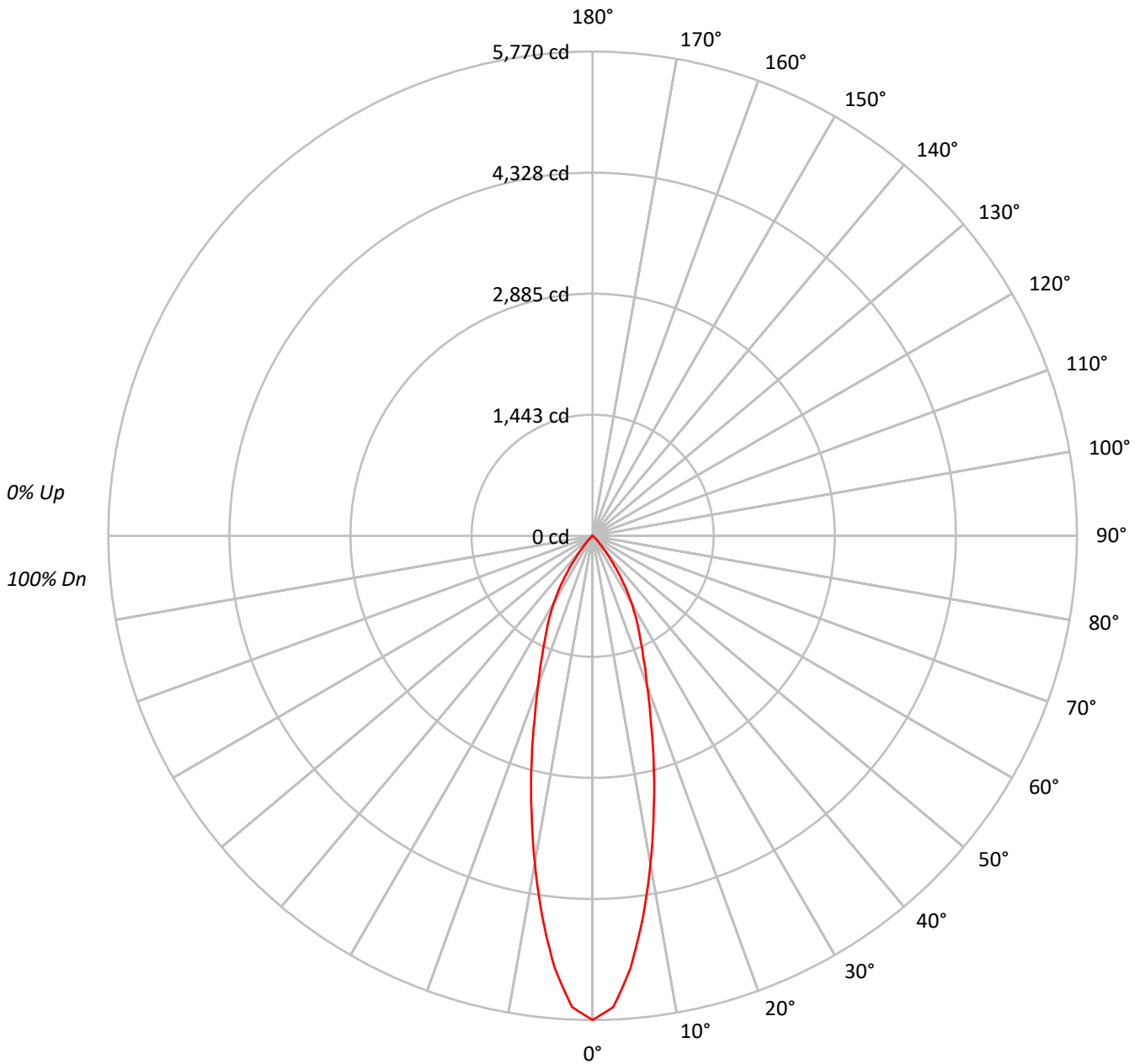
Lumens per Lamp: N/A
Luminaire Lumens: 2242.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									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	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																												
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																												
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																												
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																												
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																												
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																												
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																												
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																												
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																												
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																												
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	708815
5°	637862
10°	494479
15°	357905
20°	247814
25°	180666
30°	131276
35°	77673
40°	32668
45°	10181
50°	1319
55°	750
60°	860
65°	1017
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.7	20.3
10°-20°	778.4	34.7
20°-30°	618.7	27.6
30°-40°	327.5	14.6
40°-50°	56.4	2.5
50°-60°	4.2	0.2
60°-70°	2.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1851.7	82.6
0°-40°	2179.2	97.2
0°-60°	2239.9	99.9
0°-90°	2242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2242.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5770	
5°	5172	455
15°	2814	778
25°	1333	619
35°	518	327
45°	59	56
55°	4	4
65°	4	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5769.6
2.5°	5621.1
5°	5172.3
7.5°	4585.4
10°	3963.8
12.5°	3363.1
15°	2814.0
17.5°	2303.0
20°	1895.5
22.5°	1584.8
25°	1332.8
27.5°	1129.1
30°	925.4
32.5°	718.2
35°	517.9
37.5°	341.9
40°	203.7
42.5°	117.4
45°	58.6
47.5°	20.7
50°	6.9
52.5°	6.9
55°	3.5
57.5°	3.5
60°	3.5
62.5°	3.5
65°	3.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)