

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: P572712

Luminaire Tested: **FLD4C-20-D010 FEU4C-X-90-50 F4X-W-X-H**

Issue Date: 3/1/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P572712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/1/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD4C-20-D010 FEU4C-X-90-50 F4X-W-X-H  
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBWH TRIM

Light Source: -  
Ballast/Driver: -

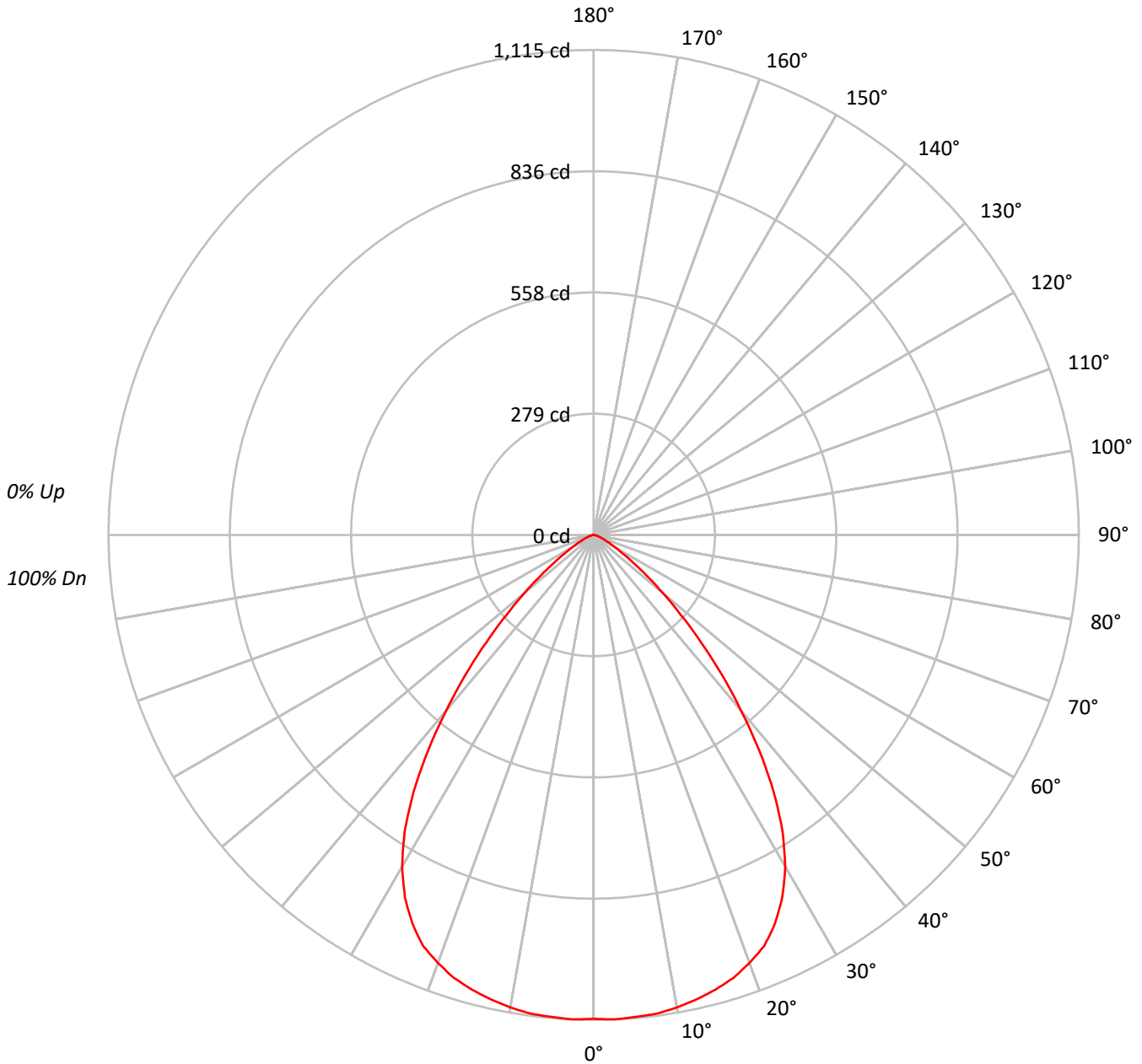
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1726.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



0% Up  
 100% Dn





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.9	6.1
10°-20°	305.3	17.7
20°-30°	450.5	26.1
30°-40°	444.5	25.8
40°-50°	272.0	15.8
50°-60°	104.3	6.0
60°-70°	32.6	1.9
70°-80°	9.6	0.6
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°	861.7	49.9
0°-40°	1306.2	75.7
0°-60°	1682.6	97.5
0°-90°	1726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1112	
5°	1112	106
15°	1082	305
25°	986	450
35°	721	445
45°	349	272
55°	110	104
65°	30	33
75°	9	10
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1112.5
2.5°	1114.9
5°	1112.5
7.5°	1110.2
10°	1103.1
12.5°	1093.8
15°	1082.0
17.5°	1068.0
20°	1046.9
22.5°	1023.5
25°	986.0
27.5°	939.1
30°	880.6
32.5°	808.1
35°	721.3
37.5°	625.3
40°	527.0
42.5°	435.6
45°	349.0
47.5°	271.6
50°	206.1
52.5°	152.3
55°	110.1
57.5°	77.3
60°	56.2
62.5°	42.2
65°	30.5
67.5°	23.4
70°	16.4
72.5°	11.7
75°	9.4
77.5°	4.7
80°	4.7
82.5°	2.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°







(END OF REPORT)