

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: P#

Luminaire Tested: **FLDSQ4C35D010 FEU4C359035 F4LC-SQ-H**

Issue Date: 12/13/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P#
 Test Lab: INNOVATION CENTER
 Issue Date: 12/13/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: FAIL-SAFE
 Catalog Number: FLDSQ4C35D010 FEU4C359035 F4LC-SQ-H
 Description: 4 INCH 3500 LUMEN FAIL-SAFE LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
 AND F4LC-SQ TRIM WITH H FINISH
 Light Source: -
 Ballast/Driver: -

Summary

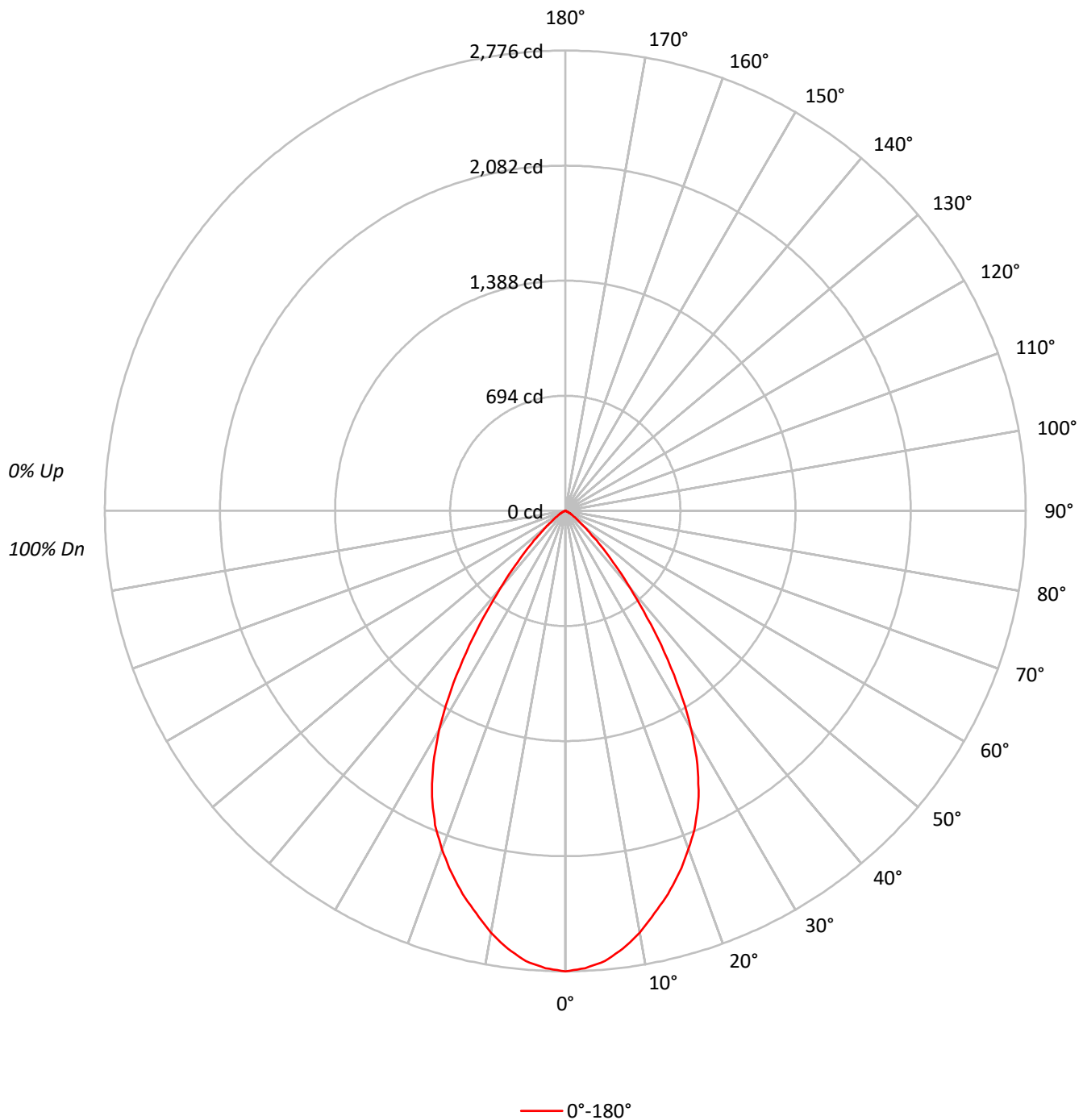
Lumens per Lamp: N/A
 Luminaire Lumens: 2800.0 lumens
 Efficiency: N/A
 Efficacy: 69.3 lumens/watt
 Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
 Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
 CIE Type: Direct

Input Watts (W): 40.4
 Input Voltage (V):
 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

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.5	9.1
10°-20°	670.2	23.9
20°-30°	861.3	30.8
30°-40°	648.0	23.1
40°-50°	260.3	9.3
50°-60°	74.0	2.6
60°-70°	23.4	0.8
70°-80°	6.7	0.2
80°-90°	0.6	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°	1787.0	63.8
0°-40°	2435.1	87.0
0°-60°	2769.3	98.9
0°-90°	2800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2776	
5°	2726	255
15°	2392	670
25°	1902	861
35°	1040	648
45°	321	260
55°	76	74
65°	21	23
75°	4	7
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2776.4
2.5°	2759.5
5°	2725.6
7.5°	2662.2
10°	2581.9
12.5°	2484.9
15°	2391.9
17.5°	2286.2
20°	2172.0
22.5°	2049.6
25°	1901.6
27.5°	1724.1
30°	1517.1
32.5°	1284.6
35°	1039.6
37.5°	811.3
40°	608.6
42.5°	447.9
45°	321.1
47.5°	219.8
50°	152.2
52.5°	105.7
55°	76.1
57.5°	55.0
60°	42.3
62.5°	29.6
65°	21.1
67.5°	16.9
70°	12.7
72.5°	8.5
75°	4.2
77.5°	4.2
80°	4.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)