

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: P573691

Luminaire Tested: **FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 4LBMH TRIM
AND BOTTOM LENS, 0.125" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

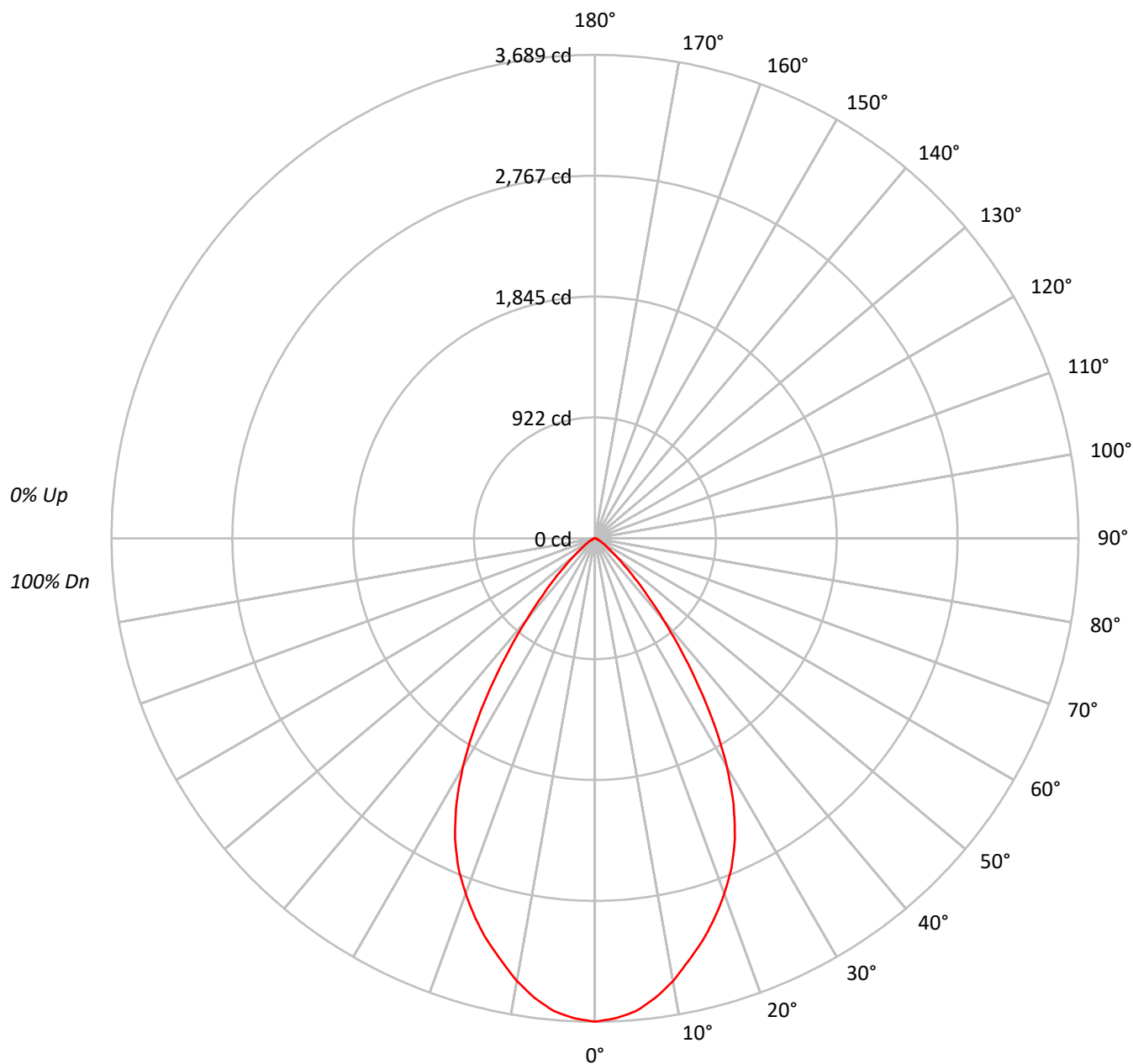
Lumens per Lamp: N/A
Luminaire Lumens: 3720.0 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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

TEST NUMBER: P573691

CATALOG NUMBER: FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P573691

CATALOG NUMBER: FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85		99	93	88	84		90	86	83		88	84	82		86	83	80
4	96	88	82	77		94	86	81	77		84	80	76		82	78	75		80	77	74
5	90	82	75	71		89	81	75	70		79	74	70		77	73	69		75	72	69
6	86	76	70	65		84	75	69	65		74	68	64		72	68	64		71	67	64
7	81	71	65	60		80	70	64	60		69	64	60		68	63	59		67	62	59
8	77	67	60	56		75	66	60	56		65	59	56		64	59	55		63	58	55
9	73	63	56	52		72	62	56	52		61	56	52		60	55	52		59	55	52
10	69	59	53	49		68	59	53	49		58	52	49		57	52	48		56	52	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	453157
5°	446576
10°	427913
15°	404176
20°	377270
25°	342477
30°	285931
35°	207147
40°	129662
45°	74118
50°	38646
55°	21654
60°	13809
65°	8169
70°	6035
75°	2658
80°	3962
85°	0



TEST NUMBER: P573691

CATALOG NUMBER: FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	9.1
10°-20°	890.4	23.9
20°-30°	1144.4	30.8
30°-40°	861.0	23.1
40°-50°	345.8	9.3
50°-60°	98.3	2.6
60°-70°	31.1	0.8
70°-80°	8.8	0.2
80°-90°	0.8	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°	2374.2	63.8
0°-40°	3235.2	87.0
0°-60°	3679.3	98.9
0°-90°	3720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3720.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3689	
5°	3621	339
15°	3178	890
25°	2526	1144
35°	1381	861
45°	427	346
55°	101	98
65°	28	31
75°	6	9
85°	0	1
90°	0	



TEST NUMBER: P573691

CATALOG NUMBER: FLD4C-50-D010 FEU4C-X-90-35 F4X-M-X-H-BL84

CANDELA DISTRIBUTION (FULL):

	0°
0°	3688.6
2.5°	3666.1
5°	3621.2
7.5°	3537.0
10°	3430.2
12.5°	3301.3
15°	3177.8
17.5°	3037.3
20°	2885.7
22.5°	2723.1
25°	2526.5
27.5°	2290.6
30°	2015.6
32.5°	1706.7
35°	1381.2
37.5°	1077.9
40°	808.5
42.5°	595.1
45°	426.6
47.5°	292.1
50°	202.2
52.5°	140.4
55°	101.1
57.5°	73.0
60°	56.2
62.5°	39.3
65°	28.1
67.5°	22.5
70°	16.8
72.5°	11.2
75°	5.6
77.5°	5.6
80°	5.6
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)