

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: P573481

Luminaire Tested: **FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 4LBMLI TRIM
AND BOTTOM LENS, 0.125" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

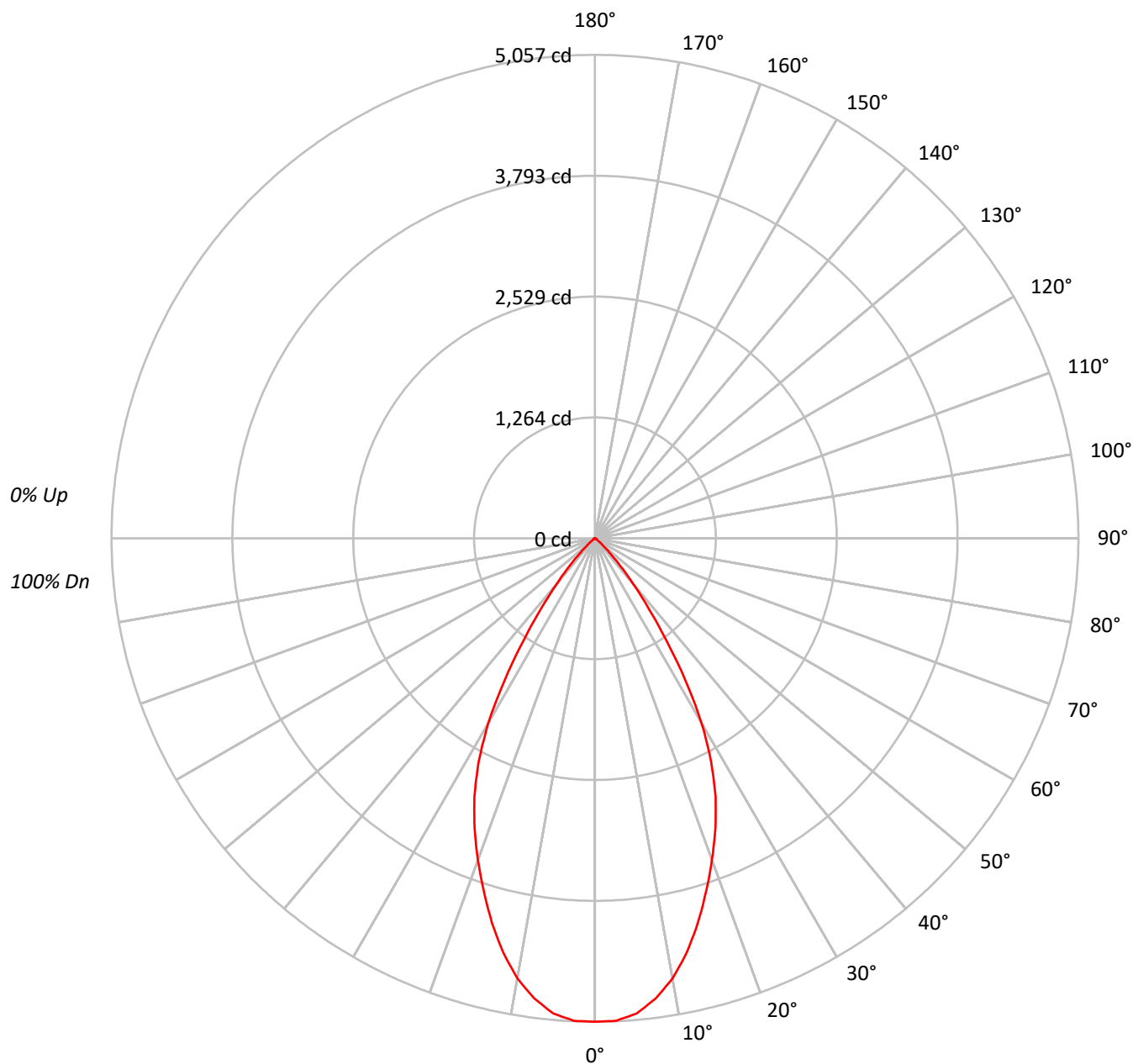
Lumens per Lamp: N/A
Luminaire Lumens: 4041.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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: P573481

CATALOG NUMBER: FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P573481

CATALOG NUMBER: FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	621282
5°	615368
10°	583125
15°	529417
20°	467820
25°	404452
30°	316147
35°	193874
40°	99512
45°	39543
50°	12844
55°	4434
60°	3784
65°	3023
70°	1868
75°	2468
80°	0
85°	0



TEST NUMBER: P573481

CATALOG NUMBER: FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.9	11.5
10°-20°	1159.9	28.7
20°-30°	1348.3	33.4
30°-40°	825.6	20.4
40°-50°	205.0	5.1
50°-60°	24.0	0.6
60°-70°	8.9	0.2
70°-80°	3.4	0.1
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°	2974.0	73.6
0°-40°	3799.6	94.0
0°-60°	4028.6	99.7
0°-90°	4041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4041.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5057	
5°	4990	466
15°	4162	1160
25°	2984	1348
35°	1293	826
45°	228	205
55°	21	24
65°	10	9
75°	5	3
85°	0	0
90°	0	



TEST NUMBER: P573481

CATALOG NUMBER: FLD4C-45-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

CANDELA DISTRIBUTION (FULL):

0°	
0°	5057.1
2.5°	5051.9
5°	4989.9
7.5°	4855.4
10°	4674.4
12.5°	4436.6
15°	4162.5
17.5°	3867.8
20°	3578.3
22.5°	3288.6
25°	2983.7
27.5°	2632.0
30°	2228.6
32.5°	1758.1
35°	1292.7
37.5°	910.0
40°	620.5
42.5°	387.7
45°	227.6
47.5°	129.3
50°	67.2
52.5°	31.1
55°	20.7
57.5°	15.4
60°	15.4
62.5°	10.4
65°	10.4
67.5°	5.2
70°	5.2
72.5°	5.2
75°	5.2
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)