

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: P573379

Luminaire Tested: **FLD4C-40-D010 FEU4C-X-90-40 F4X-N-X-H-BL84**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD4C-40-D010 FEU4C-X-90-40 F4X-N-X-H-BL84
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 4LBNH TRIM
AND BOTTOM LENS, 0.125" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

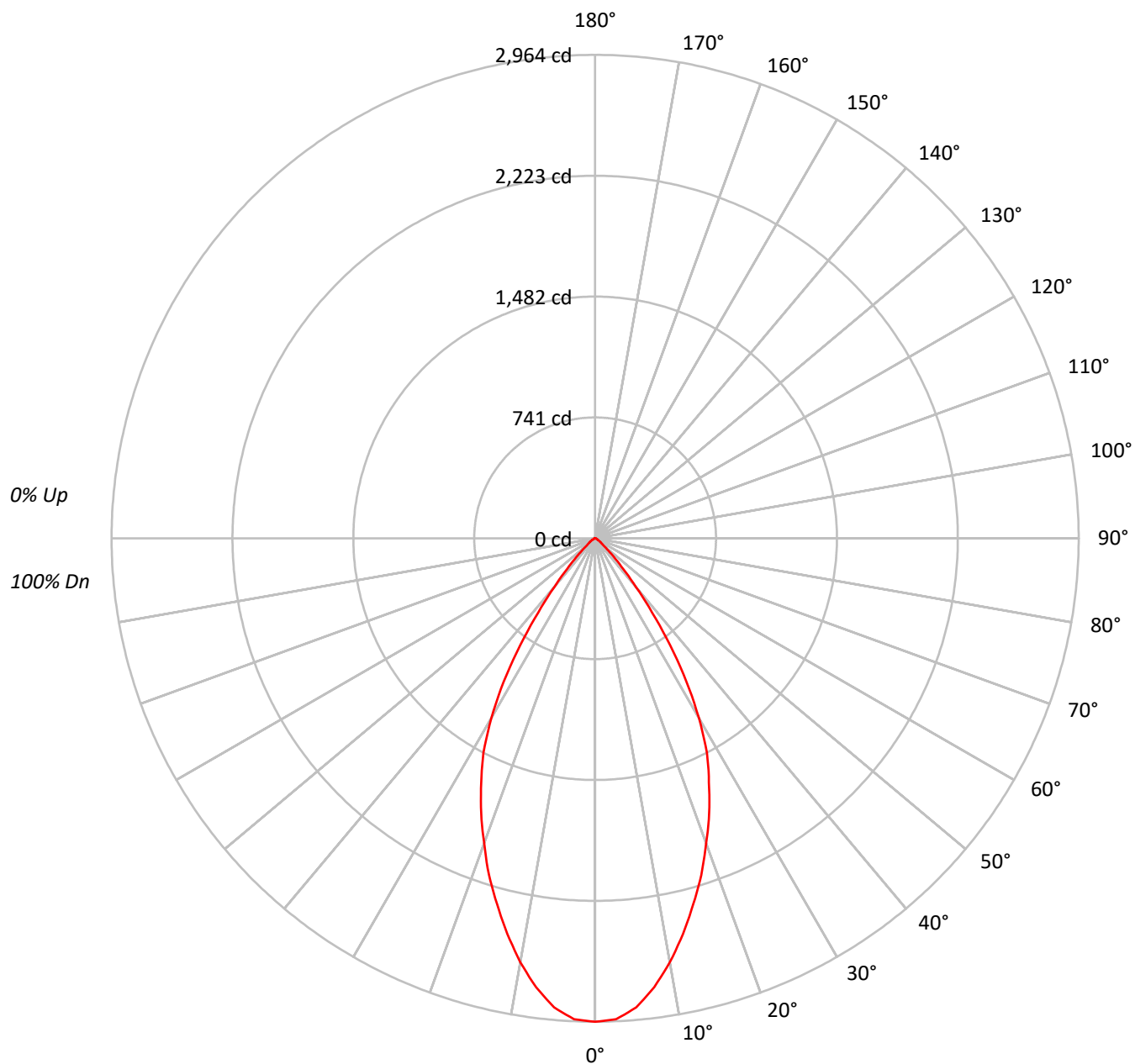
Lumens per Lamp: N/A
Luminaire Lumens: 2361.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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: P573379

CATALOG NUMBER: FLD4C-40-D010 FEU4C-X-90-40 F4X-N-X-H-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P573379

CATALOG NUMBER: FLD4C-40-D010 FEU4C-X-90-40 F4X-N-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	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	94		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	89	83	79		86	82	78		84	81	78		83	79	77
5	92	84	78	74		91	83	78	73		81	76	73		80	75	72		78	74	72
6	88	79	73	69		86	78	72	68		77	72	68		75	71	67		74	70	67
7	83	74	68	64		82	73	68	64		72	67	63		71	66	63		70	66	63
8	79	70	64	60		78	69	64	60		68	63	59		67	63	59		66	62	59
9	76	66	60	56		74	65	60	56		65	59	56		64	59	56		63	59	55
10	72	62	57	53		71	62	56	53		61	56	53		60	56	52		60	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	364175
5°	356070
10°	329224
15°	295418
20°	260051
25°	223799
30°	180218
35°	119981
40°	62417
45°	28250
50°	12251
55°	8225
60°	5258
65°	3750
70°	3089
75°	2041
80°	0
85°	0



TEST NUMBER: P573379

CATALOG NUMBER: FLD4C-40-D010 FEU4C-X-90-40 F4X-N-X-H-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	11.3
10°-20°	648.8	27.5
20°-30°	753.2	31.9
30°-40°	498.8	21.1
40°-50°	139.9	5.9
50°-60°	35.1	1.5
60°-70°	13.2	0.6
70°-80°	4.5	0.2
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°	1669.4	70.7
0°-40°	2168.2	91.8
0°-60°	2343.3	99.2
0°-90°	2361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2964	
5°	2887	267
15°	2323	649
25°	1651	753
35°	800	499
45°	163	140
55°	38	35
65°	13	13
75°	4	5
85°	0	0
90°	0	



TEST NUMBER: P573379

CATALOG NUMBER: FLD4C-40-D010 FEU4C-X-90-40 F4X-N-X-H-BL84

CANDELA DISTRIBUTION (FULL):

	0°
0°	2964.3
2.5°	2951.5
5°	2887.3
7.5°	2776.0
10°	2639.1
12.5°	2485.1
15°	2322.7
17.5°	2164.4
20°	1989.1
22.5°	1826.5
25°	1651.0
27.5°	1484.3
30°	1270.4
32.5°	1043.7
35°	800.0
37.5°	573.2
40°	389.2
42.5°	252.3
45°	162.6
47.5°	98.5
50°	64.1
52.5°	47.0
55°	38.4
57.5°	30.0
60°	21.4
62.5°	17.2
65°	12.9
67.5°	8.6
70°	8.6
72.5°	4.3
75°	4.3
77.5°	4.3
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)