

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: P573061

Luminaire Tested: **FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI-BL84**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI-BL84
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 4LBNLI TRIM
AND BOTTOM LENS, 0.125" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

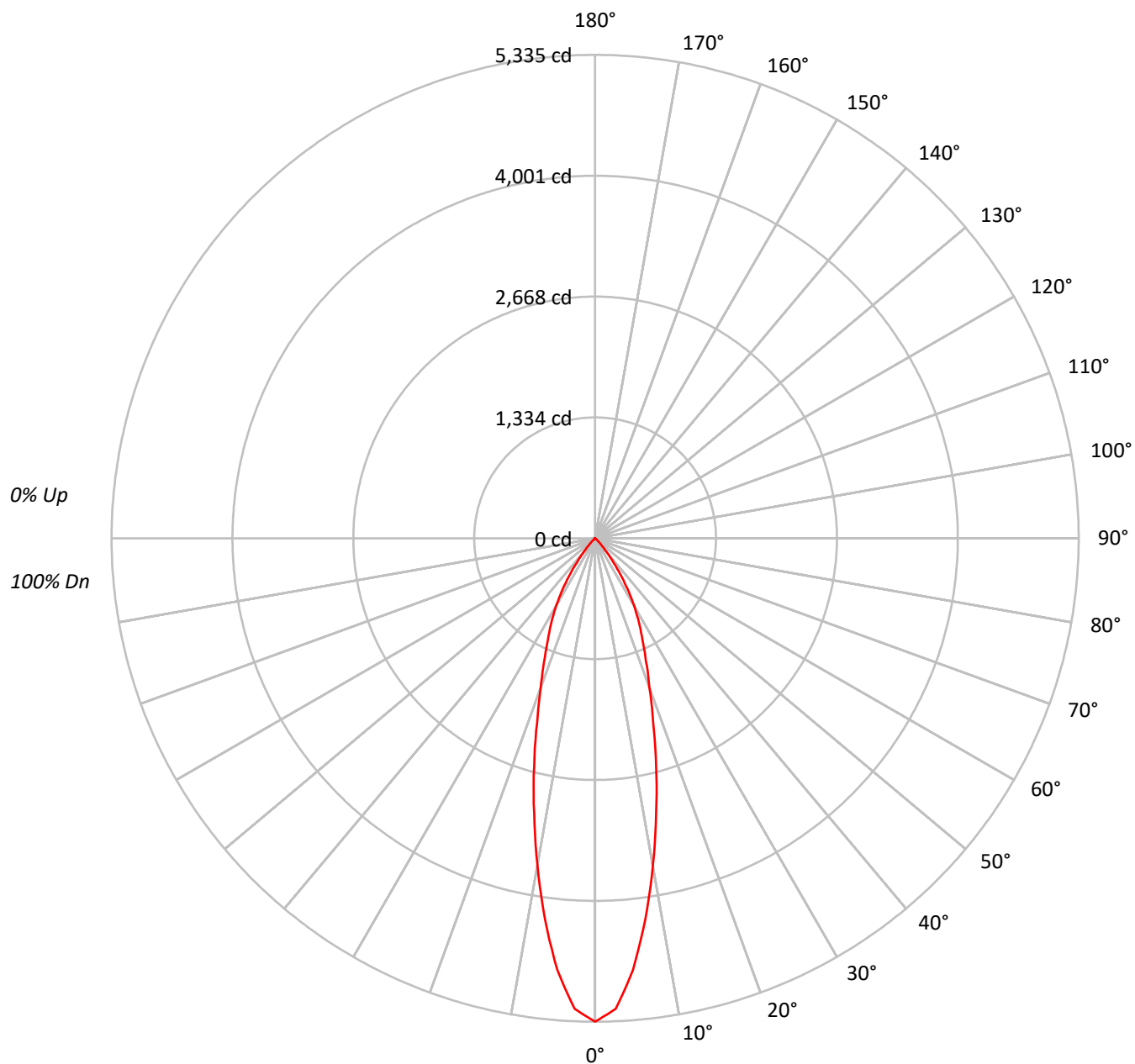
Lumens per Lamp: N/A
Luminaire Lumens: 2073.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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: P573061

CATALOG NUMBER: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P573061

CATALOG NUMBER: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	92		103	98	94	91		95	92	89			93	90	88			85
4	101	94	89	86		99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80		95	88	84	80		87	82	79			85	81	79			77
6	92	85	80	76		91	84	79	76		83	78	75			81	78	75			73
7	89	81	76	72		88	80	75	72		79	75	71			78	74	71			69
8	85	77	72	68		84	77	72	68		76	71	68			75	71	68			66
9	82	74	69	65		81	73	68	65		72	68	65			72	68	65			63
10	79	71	66	62		78	70	65	62		69	65	62			69	65	62			61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	655386
5°	589779
10°	457204
15°	330929
20°	229144
25°	167043
30°	121375
35°	71824
40°	30214
45°	9417
50°	1223
55°	685
60°	786
65°	930
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P573061

CATALOG NUMBER: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.4	20.3
10°-20°	719.7	34.7
20°-30°	572.0	27.6
30°-40°	302.8	14.6
40°-50°	52.2	2.5
50°-60°	3.9	0.2
60°-70°	2.0	0.1
70°-80°	0.0	0.0
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°	1712.2	82.6
0°-40°	2015.0	97.2
0°-60°	2071.1	99.9
0°-90°	2073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2073.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5335	
5°	4782	420
15°	2602	720
25°	1232	572
35°	479	303
45°	54	52
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P573061

CATALOG NUMBER: FLD4C-30-D010 FEU4C-X-90-50 F4X-N-X-LI-BL84

CANDELA DISTRIBUTION (FULL):

0°	
0°	5334.7
2.5°	5197.4
5°	4782.4
7.5°	4239.7
10°	3665.0
12.5°	3109.6
15°	2601.9
17.5°	2129.4
20°	1752.7
22.5°	1465.3
25°	1232.3
27.5°	1044.0
30°	855.6
32.5°	664.1
35°	478.9
37.5°	316.1
40°	188.4
42.5°	108.6
45°	54.2
47.5°	19.2
50°	6.4
52.5°	6.4
55°	3.2
57.5°	3.2
60°	3.2
62.5°	3.2
65°	3.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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)