

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: P572761

Luminaire Tested: **FLD4C-25-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P572761
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-25-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

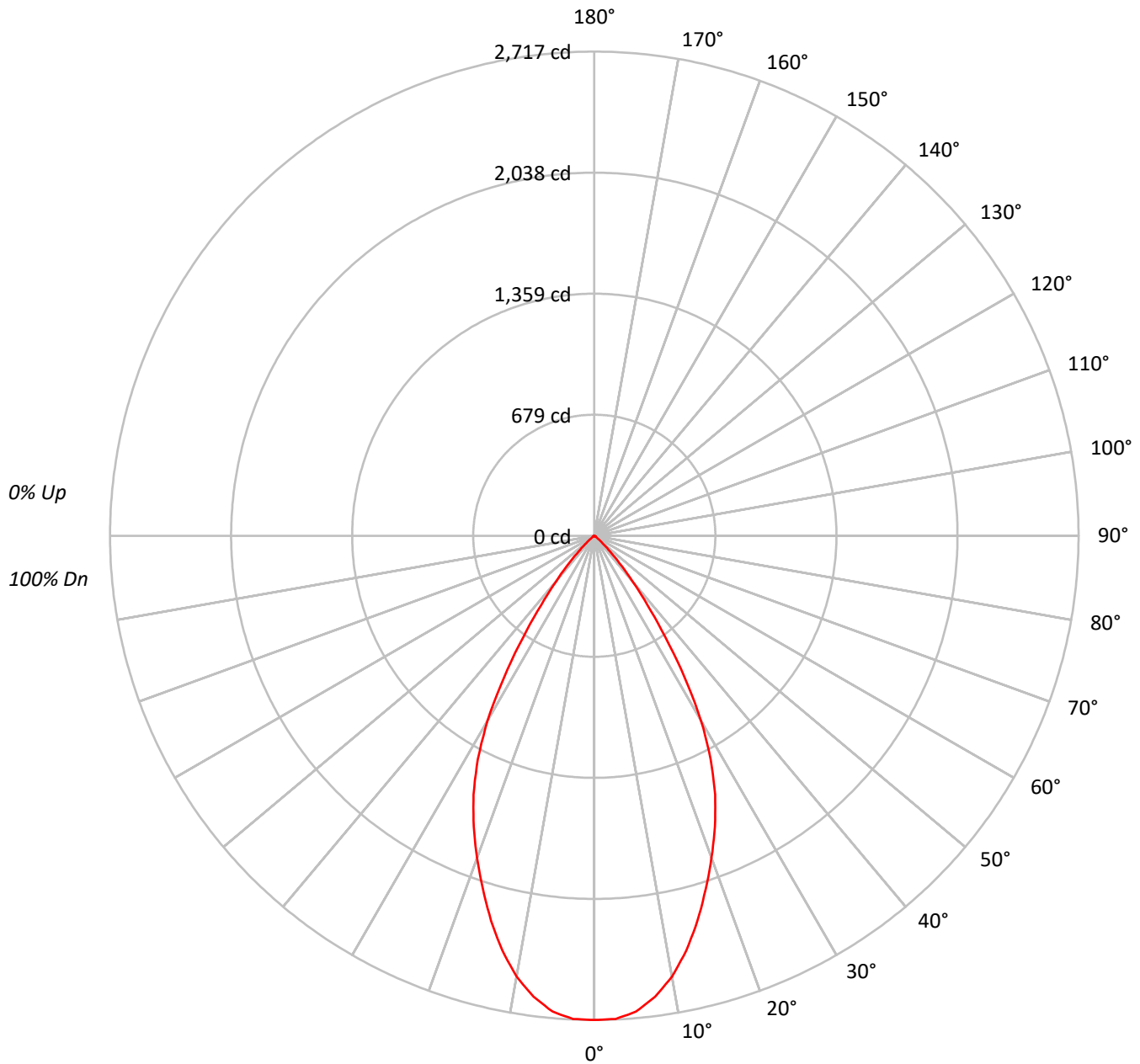
Lumens per Lamp: N/A
Luminaire Lumens: 2171.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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: P572761

CATALOG NUMBER: FLD4C-25-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

Luminous Intensity Polar Plot





TEST NUMBER: P572761

CATALOG NUMBER: FLD4C-25-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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	106		111	109	107	105		105	103	101		101	100	98		98	97	96
2	108	103	100	96		106	102	98	95		99	96	93		96	93	91		93	91	89
3	103	97	92	88		101	95	91	87		93	89	86		90	87	85		88	85	83
4	98	91	85	81		96	89	84	81		87	83	80		85	82	79		83	80	78
5	93	85	79	75		91	84	79	75		82	78	74		81	77	73		79	76	73
6	89	80	74	70		87	79	74	70		78	73	69		76	72	69		75	71	68
7	84	75	69	65		83	75	69	65		73	68	65		72	68	64		71	67	64
8	80	71	65	61		79	70	65	61		69	64	61		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	57	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	333781
5°	330604
10°	313281
15°	284429
20°	251331
25°	217293
30°	169848
35°	104159
40°	53469
45°	21249
50°	6900
55°	2377
60°	2039
65°	1628
70°	1006
75°	1329
80°	0
85°	0



TEST NUMBER: P572761

CATALOG NUMBER: FLD4C-25-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.3	11.5
10°-20°	623.1	28.7
20°-30°	724.4	33.4
30°-40°	443.6	20.4
40°-50°	110.2	5.1
50°-60°	12.9	0.6
60°-70°	4.8	0.2
70°-80°	1.8	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°	1597.8	73.6
0°-40°	2041.3	94.0
0°-60°	2164.4	99.7
0°-90°	2171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2171.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2717	
5°	2681	250
15°	2236	623
25°	1603	724
35°	694	444
45°	122	110
55°	11	13
65°	6	5
75°	3	2
85°	0	0
90°	0	



TEST NUMBER: P572761

CATALOG NUMBER: FLD4C-25-D010 FEU4C-X-90-30 F4X-M-X-LI-BL84

CANDELA DISTRIBUTION (FULL):

	0°
0°	2716.9
2.5°	2714.1
5°	2680.8
7.5°	2608.5
10°	2511.3
12.5°	2383.5
15°	2236.3
17.5°	2078.0
20°	1922.4
22.5°	1766.8
25°	1603.0
27.5°	1414.0
30°	1197.3
32.5°	944.5
35°	694.5
37.5°	488.9
40°	333.4
42.5°	208.3
45°	122.3
47.5°	69.5
50°	36.1
52.5°	16.7
55°	11.1
57.5°	8.3
60°	8.3
62.5°	5.6
65°	5.6
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
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)