

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: P572755

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

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P572755
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-25-D010 FEU4C-X-90-30 F4X-M-X-H-BL84
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 4LBMH TRIM
AND BOTTOM LENS, 0.125" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

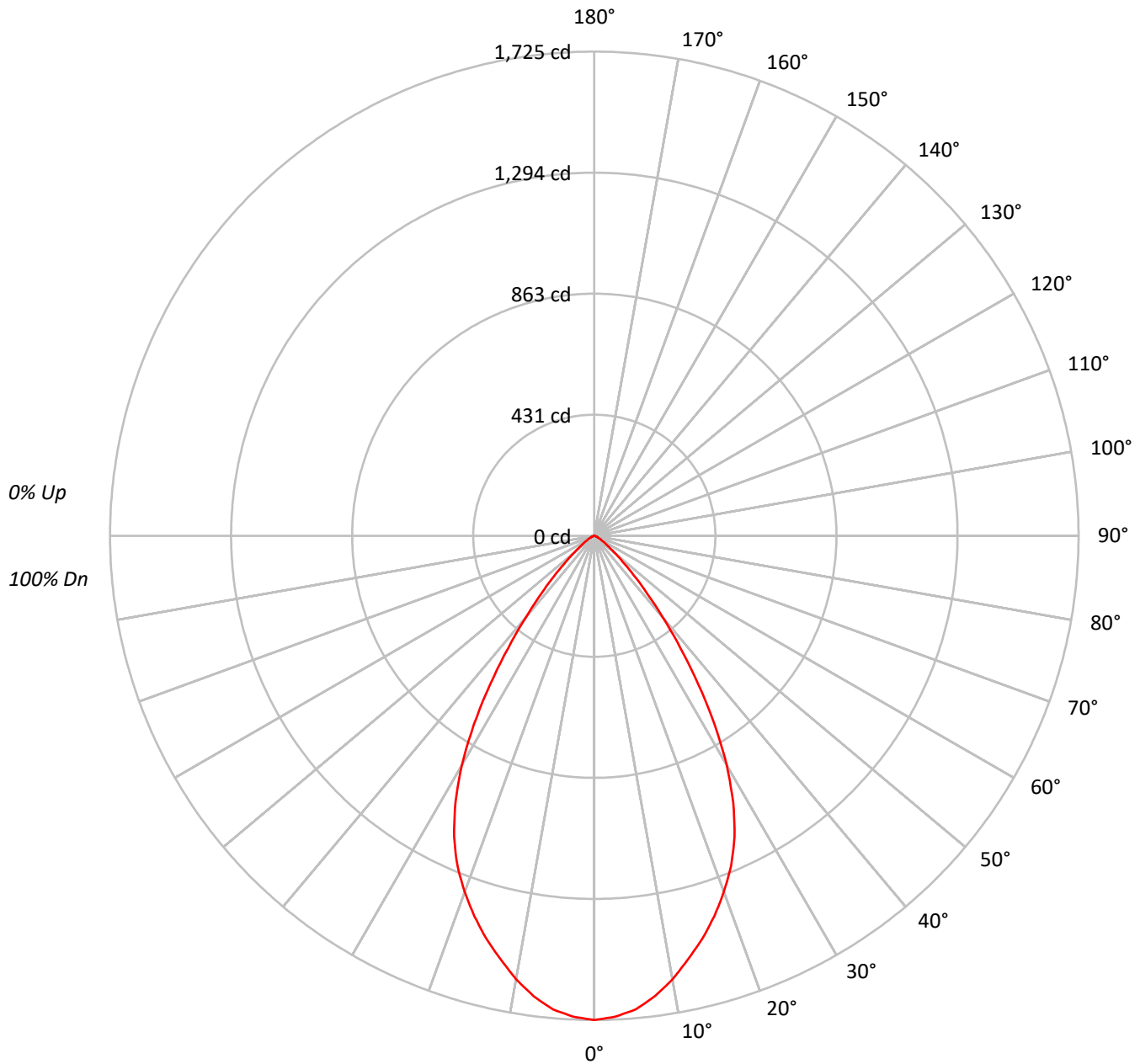
Lumens per Lamp: N/A
Luminaire Lumens: 1740.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P572755

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

Luminous Intensity Polar Plot





TEST NUMBER: P572755

CATALOG NUMBER: FLD4C-25-D010 FEU4C-X-90-30 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	211959
5°	208884
10°	200159
15°	189051
20°	176470
25°	160184
30°	133745
35°	96885
40°	60653
45°	34661
50°	18081
55°	10131
60°	6462
65°	3808
70°	2838
75°	1234
80°	1839
85°	0



TEST NUMBER: P572755

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.8	9.1
10°-20°	416.5	23.9
20°-30°	535.3	30.8
30°-40°	402.7	23.1
40°-50°	161.7	9.3
50°-60°	46.0	2.6
60°-70°	14.6	0.8
70°-80°	4.1	0.2
80°-90°	0.4	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°	1110.5	63.8
0°-40°	1513.2	87.0
0°-60°	1721.0	98.9
0°-90°	1740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1740.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1725	
5°	1694	159
15°	1486	416
25°	1182	535
35°	646	403
45°	200	162
55°	47	46
65°	13	15
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P572755

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	1725.3
2.5°	1714.8
5°	1693.8
7.5°	1654.4
10°	1604.5
12.5°	1544.2
15°	1486.4
17.5°	1420.7
20°	1349.8
22.5°	1273.7
25°	1181.7
27.5°	1071.4
30°	942.8
32.5°	798.3
35°	646.0
37.5°	504.2
40°	378.2
42.5°	278.4
45°	199.5
47.5°	136.6
50°	94.6
52.5°	65.7
55°	47.3
57.5°	34.2
60°	26.3
62.5°	18.4
65°	13.1
67.5°	10.5
70°	7.9
72.5°	5.3
75°	2.6
77.5°	2.6
80°	2.6
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)