

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: P573131

Luminaire Tested: **FLD4C-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573131
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-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 4LBNH TRIM
AND BOTTOM LENS, 0.125" CLEAR ACRYLIC

Light Source: -
Ballast/Driver: -

Summary

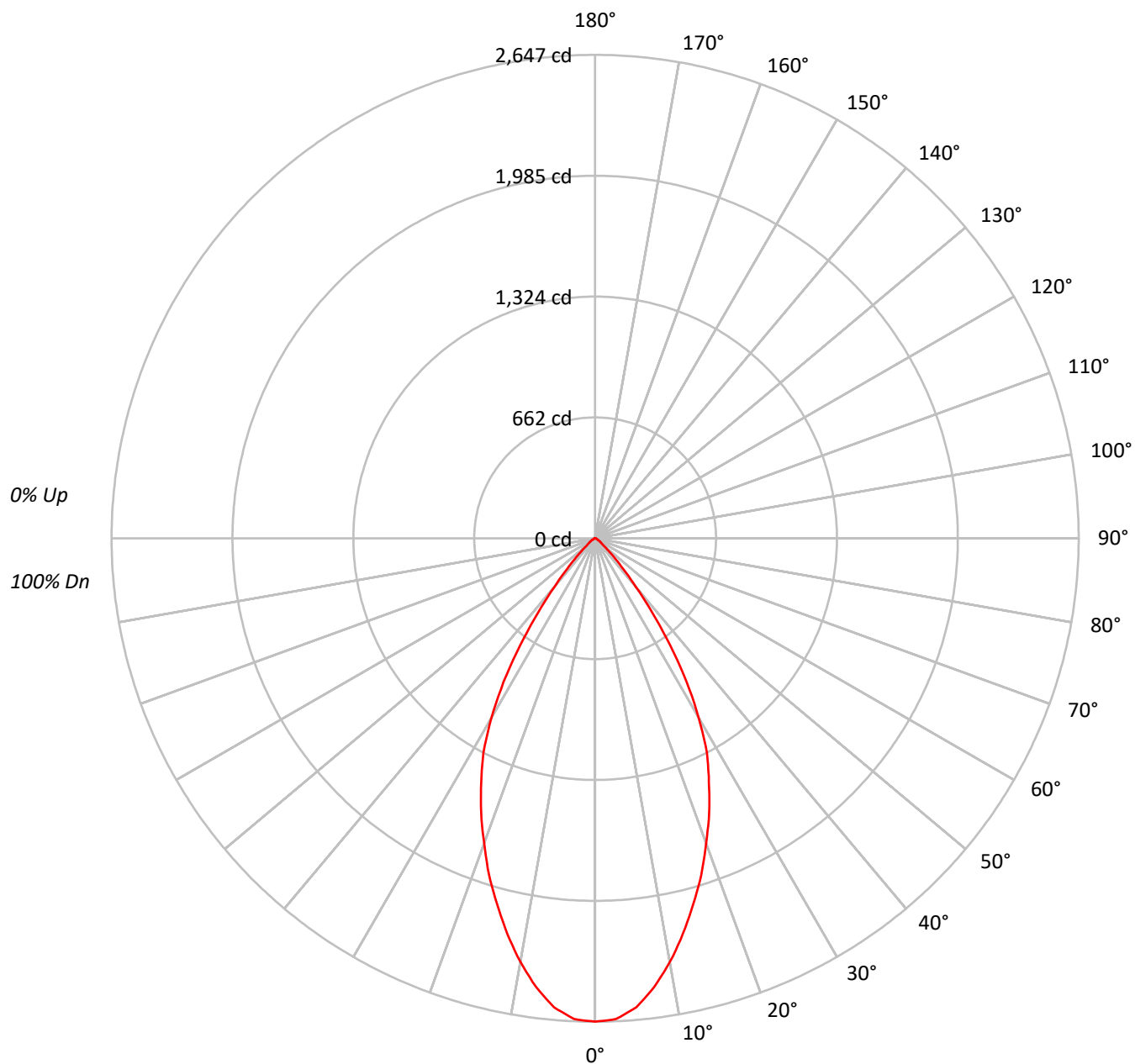
Lumens per Lamp: N/A
Luminaire Lumens: 2108.0 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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: P573131

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV

Luminous Intensity Polar Plot





TEST NUMBER: P573131

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325156
5°	317914
10°	293945
15°	263761
20°	232178
25°	199820
30°	160911
35°	107113
40°	55730
45°	25227
50°	10952
55°	7347
60°	4693
65°	3343
70°	2766
75°	1804
80°	0
85°	0



TEST NUMBER: P573131

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	11.3
10°-20°	579.2	27.5
20°-30°	672.5	31.9
30°-40°	445.3	21.1
40°-50°	124.9	5.9
50°-60°	31.4	1.5
60°-70°	11.8	0.6
70°-80°	4.0	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°	1490.5	70.7
0°-40°	1935.9	91.8
0°-60°	2092.2	99.2
0°-90°	2108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2647	
5°	2578	239
15°	2074	579
25°	1474	673
35°	714	445
45°	145	125
55°	34	31
65°	12	12
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P573131

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-30 F4X-N-X-H-BL89BV

CANDELA DISTRIBUTION (FULL):

	0°
0°	2646.7
2.5°	2635.2
5°	2577.9
7.5°	2478.5
10°	2356.3
12.5°	2218.8
15°	2073.8
17.5°	1932.4
20°	1775.9
22.5°	1630.8
25°	1474.1
27.5°	1325.3
30°	1134.3
32.5°	931.8
35°	714.2
37.5°	511.8
40°	347.5
42.5°	225.3
45°	145.2
47.5°	87.9
50°	57.3
52.5°	42.0
55°	34.3
57.5°	26.8
60°	19.1
62.5°	15.3
65°	11.5
67.5°	7.7
70°	7.7
72.5°	3.8
75°	3.8
77.5°	3.8
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)