

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: P573200

Luminaire Tested: **FLD4C-35-D010 FEU4C-X-90-40 F4X-N-X-H-BL85**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P573200
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-90-40 F4X-N-X-H-BL85
Description: 4 INCH FAIL-SAFE LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 4LBNH TRIM
AND BOTTOM LENS, 0.187" CLEAR POLYCARBONATE

Light Source: -
Ballast/Driver: -

Summary

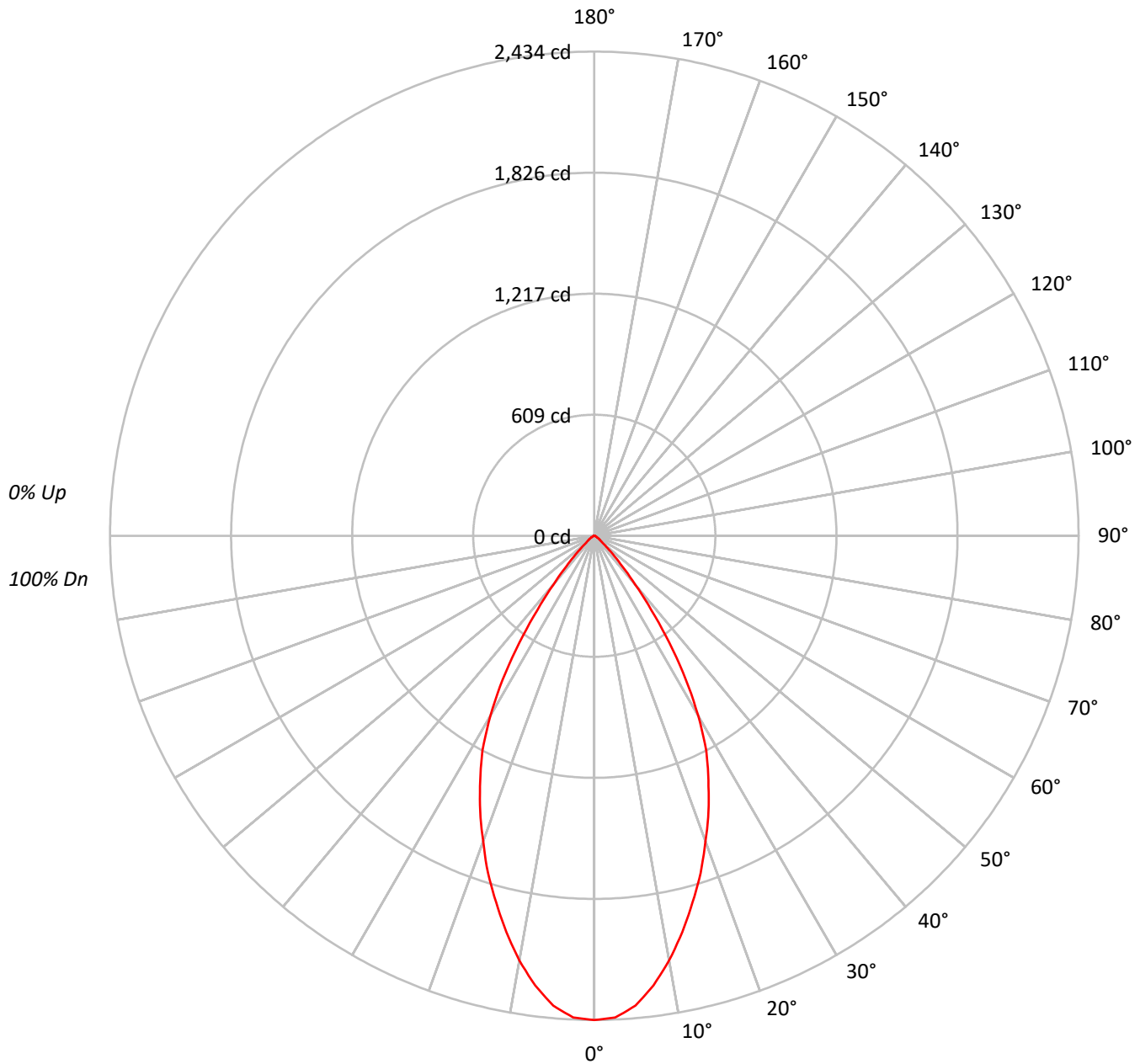
Lumens per Lamp: N/A
Luminaire Lumens: 1939.0 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P573200

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-40 F4X-N-X-H-BL85

Luminous Intensity Polar Plot





TEST NUMBER: P573200

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-40 F4X-N-X-H-BL85

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°	299087
5°	292423
10°	270380
15°	242610
20°	213573
25°	183797
30°	148016
35°	98534
40°	51255
45°	23194
50°	10072
55°	6747
60°	4324
65°	3081
70°	2514
75°	1661
80°	0
85°	0



TEST NUMBER: P573200

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-40 F4X-N-X-H-BL85

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	11.3
10°-20°	532.8	27.5
20°-30°	618.6	31.9
30°-40°	409.7	21.1
40°-50°	114.9	5.9
50°-60°	28.9	1.5
60°-70°	10.8	0.6
70°-80°	3.7	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°	1371.0	70.7
0°-40°	1780.7	91.8
0°-60°	1924.4	99.3
0°-90°	1939.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1939.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2434	
5°	2371	220
15°	1908	533
25°	1356	619
35°	657	410
45°	134	115
55°	32	29
65°	11	11
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P573200

CATALOG NUMBER: FLD4C-35-D010 FEU4C-X-90-40 F4X-N-X-H-BL85

CANDELA DISTRIBUTION (FULL):

	0°
0°	2434.5
2.5°	2423.9
5°	2371.2
7.5°	2279.8
10°	2167.4
12.5°	2040.9
15°	1907.5
17.5°	1777.5
20°	1633.6
22.5°	1500.0
25°	1355.9
27.5°	1219.0
30°	1043.4
32.5°	857.1
35°	657.0
37.5°	470.8
40°	319.6
42.5°	207.2
45°	133.5
47.5°	80.9
50°	52.7
52.5°	38.6
55°	31.5
57.5°	24.7
60°	17.6
62.5°	14.1
65°	10.6
67.5°	7.0
70°	7.0
72.5°	3.5
75°	3.5
77.5°	3.5
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)