

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: P574628

Luminaire Tested: **FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P574628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBWH TRIM

Light Source: -
Ballast/Driver: -

Summary

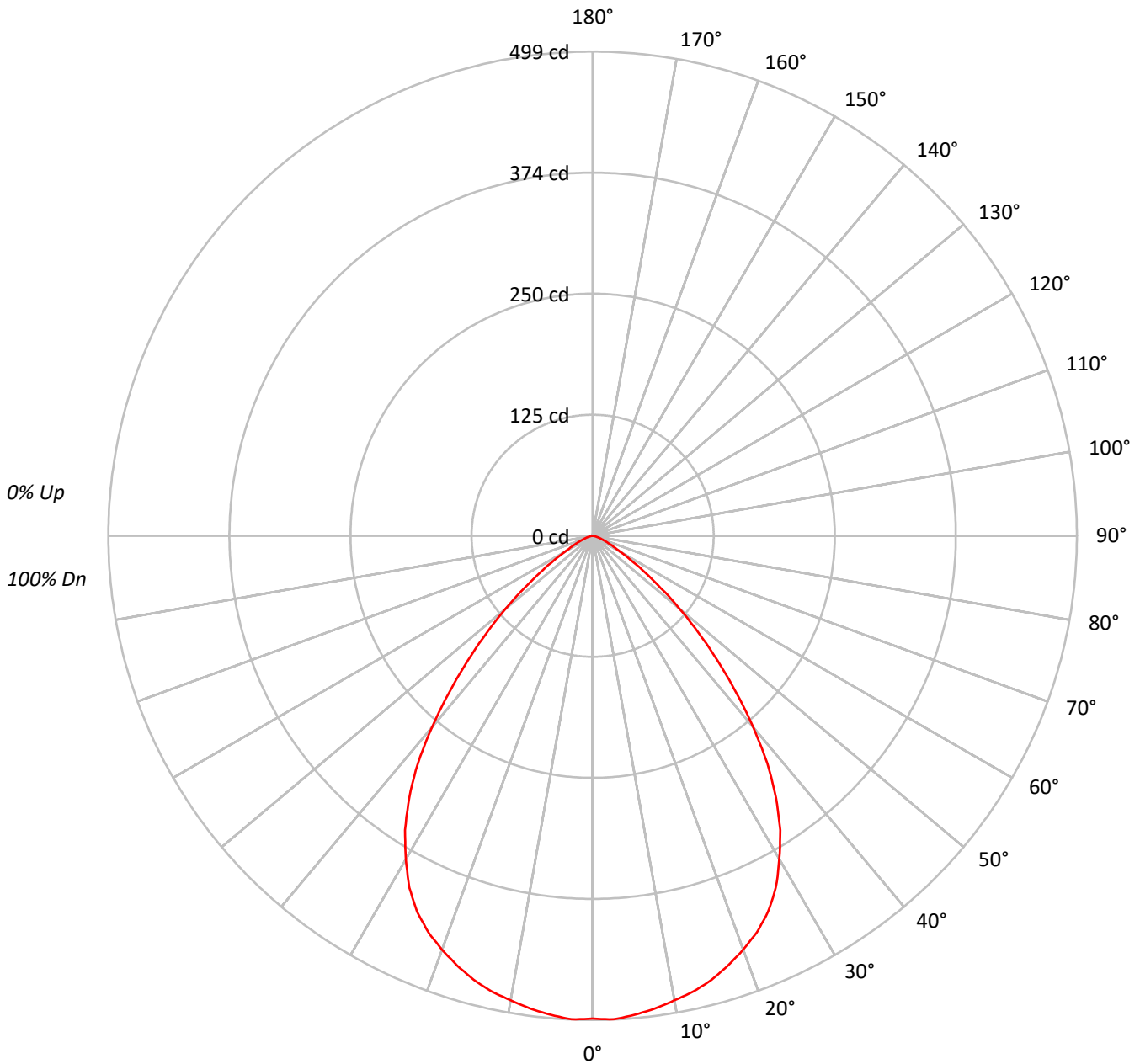
Lumens per Lamp: N/A
Luminaire Lumens: 807.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.87
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: P574628

CATALOG NUMBER: FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H

Luminous Intensity Polar Plot





TEST NUMBER: P574628

CATALOG NUMBER: FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27284
5°	27278
10°	27065
15°	26884
20°	26474
25°	25870
30°	24358
35°	22044
40°	18406
45°	14102
50°	9987
55°	6298
60°	3552
65°	2309
70°	1507
75°	1101
80°	663
85°	692



TEST NUMBER: P574628

CATALOG NUMBER: FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	5.8
10°-20°	133.4	16.5
20°-30°	195.6	24.2
30°-40°	203.5	25.2
40°-50°	140.8	17.4
50°-60°	61.3	7.6
60°-70°	18.8	2.3
70°-80°	5.6	0.7
80°-90°	0.9	0.1
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°	376.0	46.6
0°-40°	579.5	71.8
0°-60°	781.7	96.9
0°-90°	807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	807.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	498	
5°	496	47
15°	474	133
25°	428	196
35°	329	204
45°	182	141
55°	66	61
65°	18	19
75°	5	6
85°	1	1
90°	0	



TEST NUMBER: P574628

CATALOG NUMBER: FLD6C-08-D010 FEU6C-X-90-40 F6X-W-X-H

CANDELA DISTRIBUTION (FULL):

	0°
0°	497.7
2.5°	498.8
5°	495.7
7.5°	491.5
10°	486.2
12.5°	481.0
15°	473.7
17.5°	464.3
20°	453.8
22.5°	442.3
25°	427.7
27.5°	408.9
30°	384.8
32.5°	359.7
35°	329.4
37.5°	295.9
40°	257.2
42.5°	218.5
45°	181.9
47.5°	147.4
50°	117.1
52.5°	88.9
55°	65.9
57.5°	47.1
60°	32.4
62.5°	24.1
65°	17.8
67.5°	13.6
70°	9.4
72.5°	7.3
75°	5.2
77.5°	3.1
80°	2.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)