

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: P576598

Luminaire Tested: **FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P576598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBNLI TRIM

Light Source: -
Ballast/Driver: -

Summary

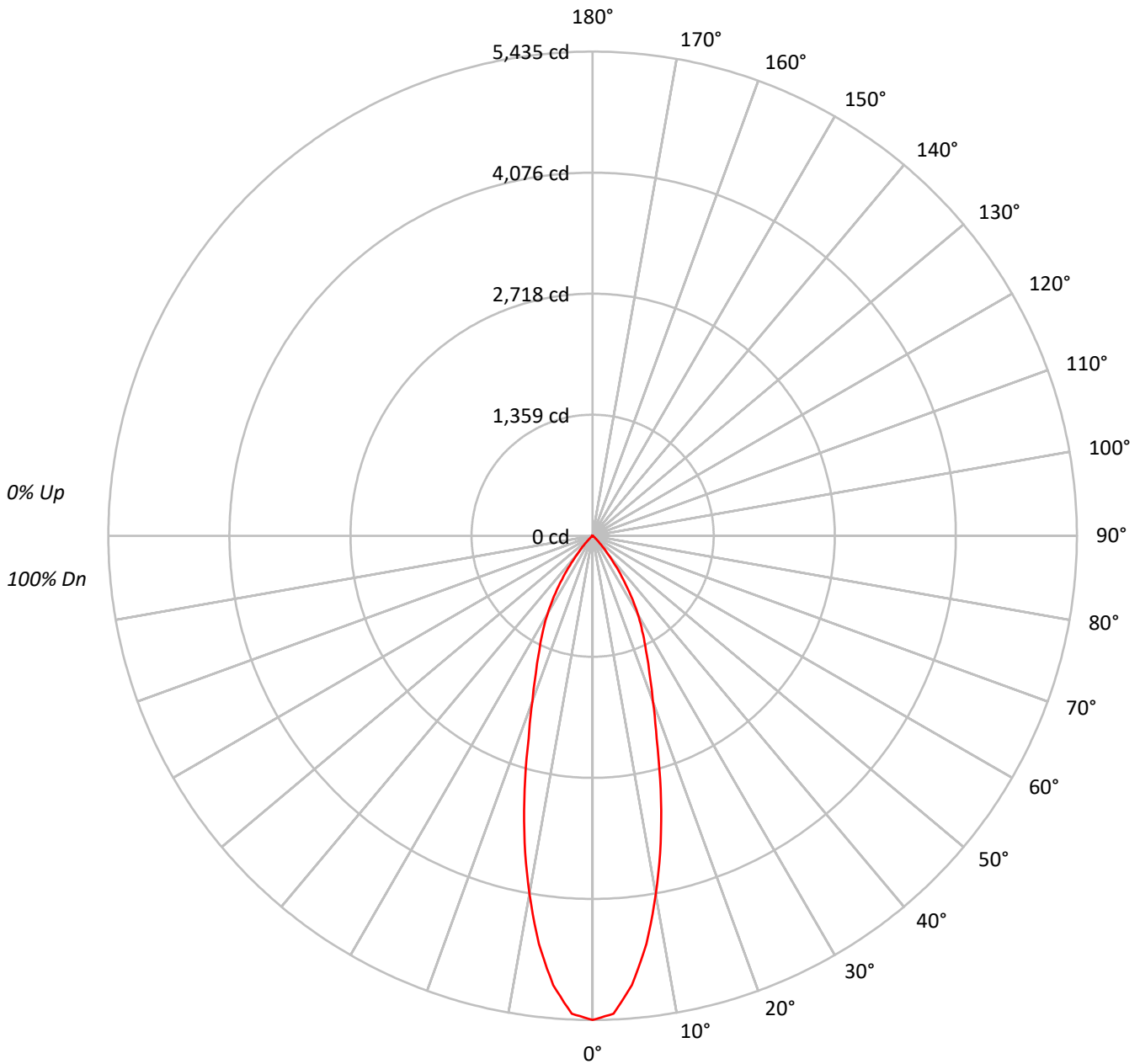
Lumens per Lamp: N/A
Luminaire Lumens: 2387.1 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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: P576598

CATALOG NUMBER: FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI

Luminous Intensity Polar Plot





TEST NUMBER: P576598

CATALOG NUMBER: FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI

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			
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297926
5°	278615
10°	227228
15°	167214
20°	115253
25°	85565
30°	64269
35°	40080
40°	19458
45°	6675
50°	878
55°	659
60°	384
65°	454
70°	561
75°	0
80°	0
85°	0



TEST NUMBER: P576598

CATALOG NUMBER: FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.8	18.9
10°-20°	811.0	34.0
20°-30°	655.7	27.5
30°-40°	377.7	15.8
40°-50°	79.9	3.3
50°-60°	6.9	0.3
60°-70°	3.5	0.1
70°-80°	0.5	0.0
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°	1918.6	80.4
0°-40°	2296.4	96.2
0°-60°	2383.1	99.8
0°-90°	2387.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5435	
5°	5063	452
15°	2946	811
25°	1415	656
35°	599	378
45°	86	80
55°	7	7
65°	4	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P576598

CATALOG NUMBER: FLD6C-30-D010 FEU6C-X-90-30 F6X-N-X-LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5434.6
2.5°	5369.3
5°	5063.0
7.5°	4622.4
10°	4082.0
12.5°	3527.9
15°	2946.3
17.5°	2385.2
20°	1975.6
22.5°	1662.4
25°	1414.6
27.5°	1204.7
30°	1015.3
32.5°	805.4
35°	598.9
37.5°	416.4
40°	271.9
42.5°	165.2
45°	86.1
47.5°	34.4
50°	10.3
52.5°	10.3
55°	6.9
57.5°	6.9
60°	3.5
62.5°	3.5
65°	3.5
67.5°	3.5
70°	3.5
72.5°	0.0
75°	0.0
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)