

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: P576778

Luminaire Tested: **FLD6C-30-D010 FEU6C-X-90-50 F6X-N-X-LI**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P576778
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-90-50 F6X-N-X-LI
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 6LBNLI TRIM

Light Source: -
Ballast/Driver: -

Summary

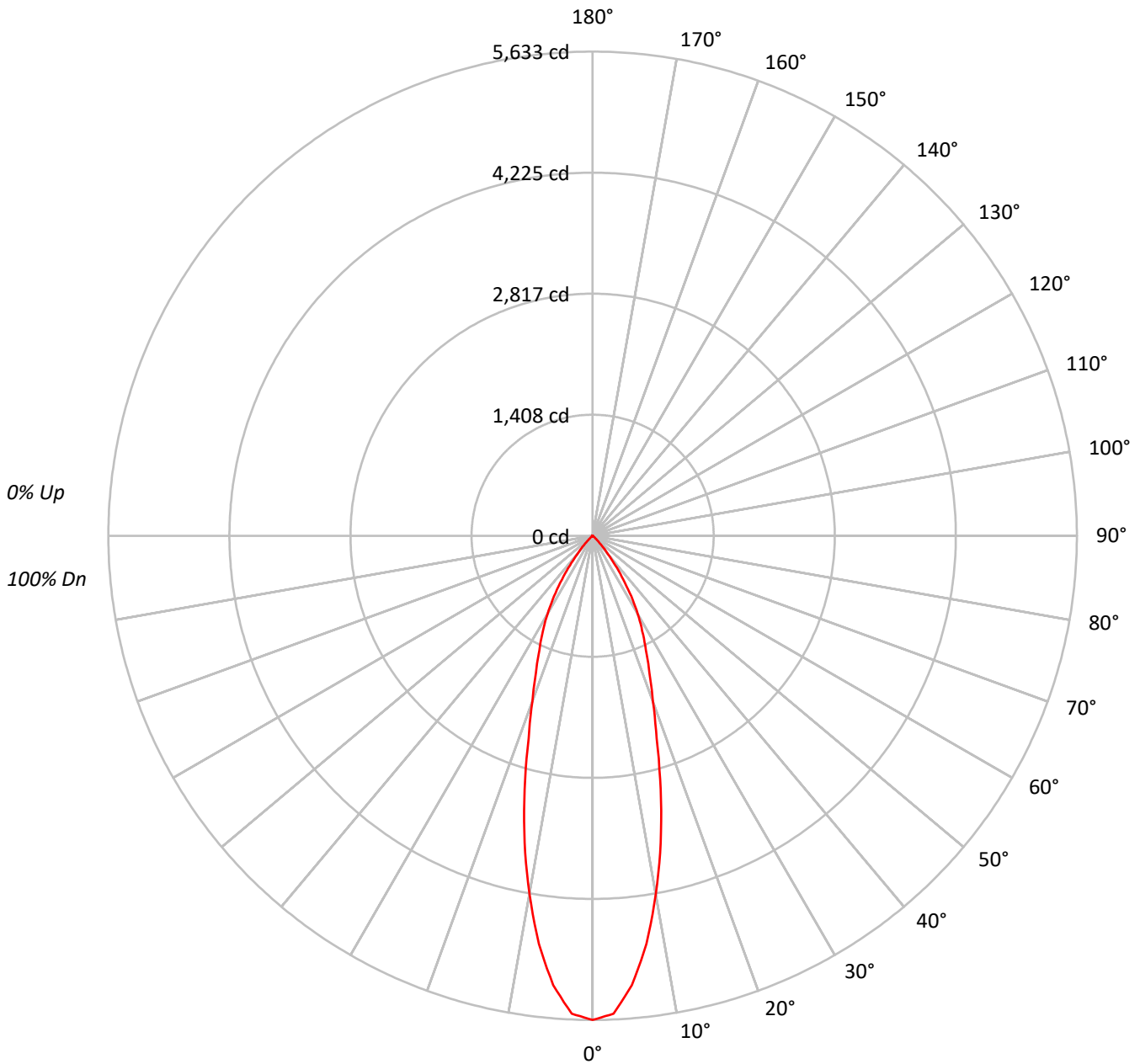
Lumens per Lamp: N/A
Luminaire Lumens: 2474.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V): NR
Input Current (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

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Luminous Intensity Polar Plot





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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	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°	308786
5°	288768
10°	235511
15°	173304
20°	119454
25°	88681
30°	66612
35°	41539
40°	20166
45°	6915
50°	904
55°	688
60°	395
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.3	18.9
10°-20°	840.6	34.0
20°-30°	679.6	27.5
30°-40°	391.5	15.8
40°-50°	82.8	3.3
50°-60°	7.1	0.3
60°-70°	3.6	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°	1988.5	80.4
0°-40°	2380.1	96.2
0°-60°	2470.0	99.8
0°-90°	2474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5633	
5°	5248	468
15°	3054	841
25°	1466	680
35°	621	392
45°	89	83
55°	7	7
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5632.7
2.5°	5565.0
5°	5247.5
7.5°	4790.9
10°	4230.8
12.5°	3656.5
15°	3053.6
17.5°	2472.2
20°	2047.6
22.5°	1723.0
25°	1466.1
27.5°	1248.6
30°	1052.3
32.5°	834.8
35°	620.7
37.5°	431.6
40°	281.8
42.5°	171.3
45°	89.2
47.5°	35.6
50°	10.6
52.5°	10.6
55°	7.2
57.5°	7.2
60°	3.6
62.5°	3.6
65°	3.6
67.5°	3.6
70°	3.6
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)