

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: P579088

Luminaire Tested: **FLD6C-70-D010 FEU6C-X-90-40 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P579088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6C-70-D010 FEU6C-X-90-40 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 4000K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

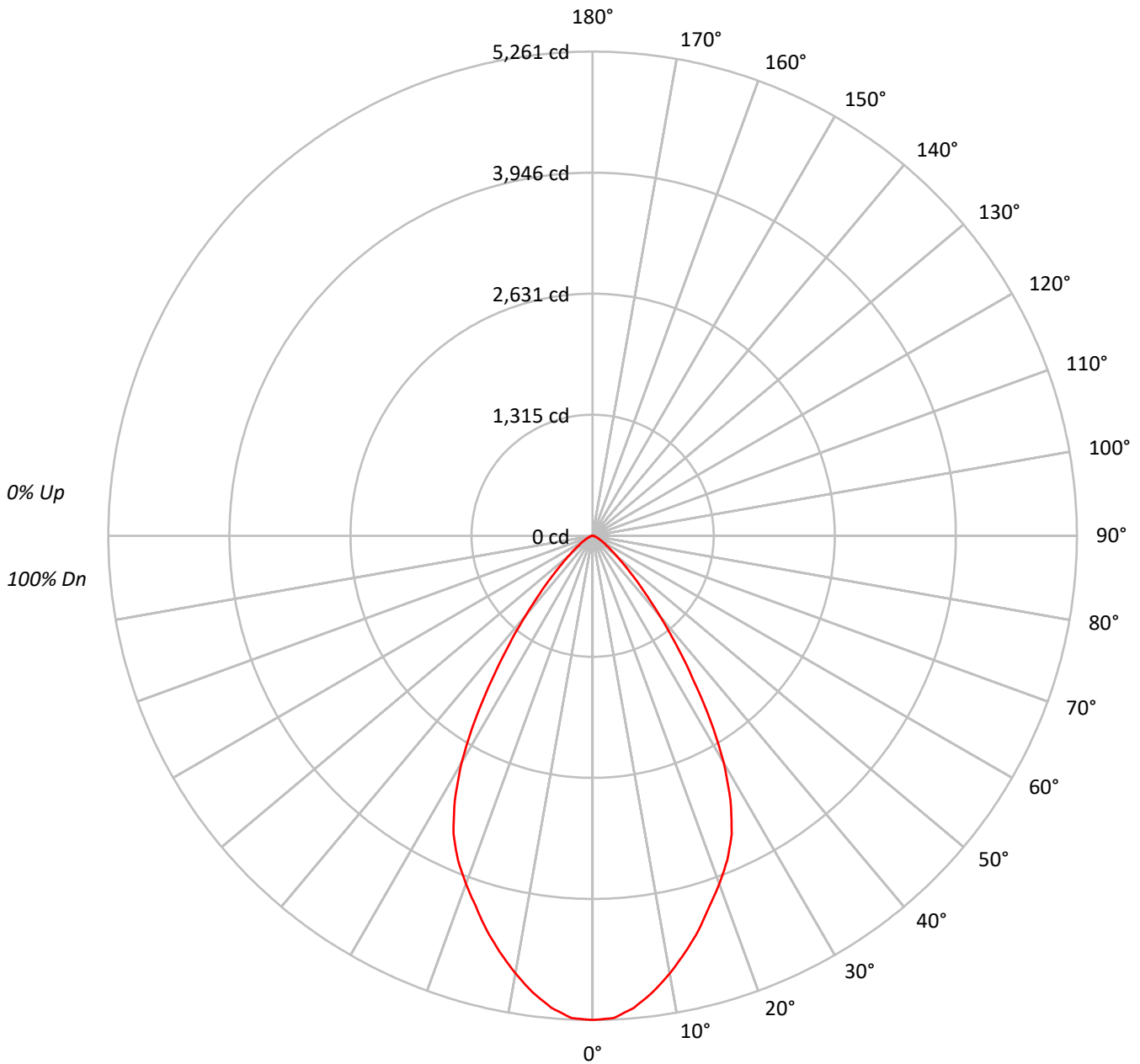
Lumens per Lamp: N/A
Luminaire Lumens: 5316.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78				78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53				53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49				49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	288409
5°	283243
10°	268771
15°	252039
20°	234725
25°	216279
30°	180205
35°	127013
40°	80945
45°	48269
50°	28494
55°	18131
60°	12488
65°	8860
70°	6107
75°	4829
80°	2368
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.0	9.0
10°-20°	1244.4	23.4
20°-30°	1612.4	30.3
30°-40°	1197.1	22.5
40°-50°	505.3	9.5
50°-60°	179.4	3.4
60°-70°	69.3	1.3
70°-80°	24.0	0.5
80°-90°	3.1	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°	3337.9	62.8
0°-40°	4534.9	85.3
0°-60°	5219.7	98.2
0°-90°	5316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5316.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5261	
5°	5147	481
15°	4441	1244
25°	3576	1612
35°	1898	1197
45°	623	505
55°	190	179
65°	68	69
75°	23	24
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5261.0
2.5°	5245.7
5°	5147.1
7.5°	5002.7
10°	4828.3
12.5°	4638.4
15°	4440.9
17.5°	4221.0
20°	4023.5
22.5°	3818.6
25°	3575.6
27.5°	3241.5
30°	2846.8
32.5°	2383.6
35°	1897.9
37.5°	1488.0
40°	1131.1
42.5°	842.6
45°	622.6
47.5°	455.4
50°	334.1
52.5°	250.5
55°	189.7
57.5°	144.1
60°	113.9
62.5°	83.6
65°	68.3
67.5°	53.0
70°	38.1
72.5°	30.3
75°	22.8
77.5°	15.3
80°	7.5
82.5°	7.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)