

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: P574648

Luminaire Tested: **FLD6C-08-D010 FEU6C-X-90-50 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P574648
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-08-D010 FEU6C-X-90-50 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 5000K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

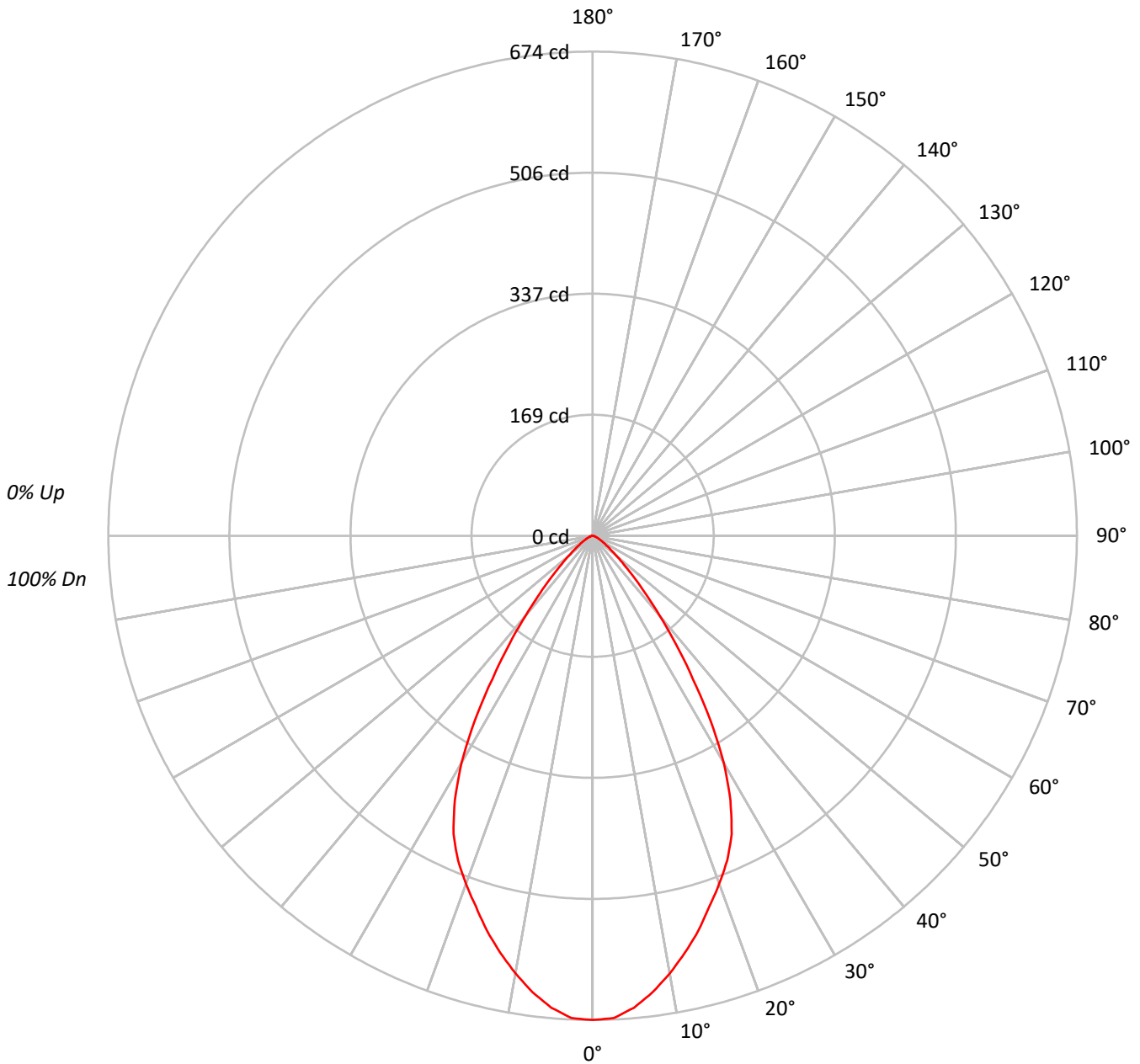
Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	83	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	68	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°	36949
5°	36287
10°	34429
15°	32287
20°	30068
25°	27703
30°	23086
35°	16269
40°	10369
45°	6187
50°	3650
55°	2322
60°	1601
65°	1141
70°	785
75°	614
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	9.0
10°-20°	159.4	23.4
20°-30°	206.5	30.3
30°-40°	153.3	22.5
40°-50°	64.7	9.5
50°-60°	23.0	3.4
60°-70°	8.9	1.3
70°-80°	3.1	0.5
80°-90°	0.4	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°	427.6	62.8
0°-40°	580.9	85.3
0°-60°	668.6	98.2
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	674	
5°	659	62
15°	569	159
25°	458	207
35°	243	153
45°	80	65
55°	24	23
65°	9	9
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	674.0
2.5°	672.0
5°	659.4
7.5°	640.9
10°	618.5
12.5°	594.2
15°	568.9
17.5°	540.7
20°	515.4
22.5°	489.2
25°	458.0
27.5°	415.2
30°	364.7
32.5°	305.3
35°	243.1
37.5°	190.6
40°	144.9
42.5°	107.9
45°	79.8
47.5°	58.3
50°	42.8
52.5°	32.1
55°	24.3
57.5°	18.5
60°	14.6
62.5°	10.7
65°	8.8
67.5°	6.8
70°	4.9
72.5°	3.9
75°	2.9
77.5°	2.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)