

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: P579268

Luminaire Tested: **FLD6C-75-D010 FEU6C-X-90-30 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P579268
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-75-D010 FEU6C-X-90-30 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

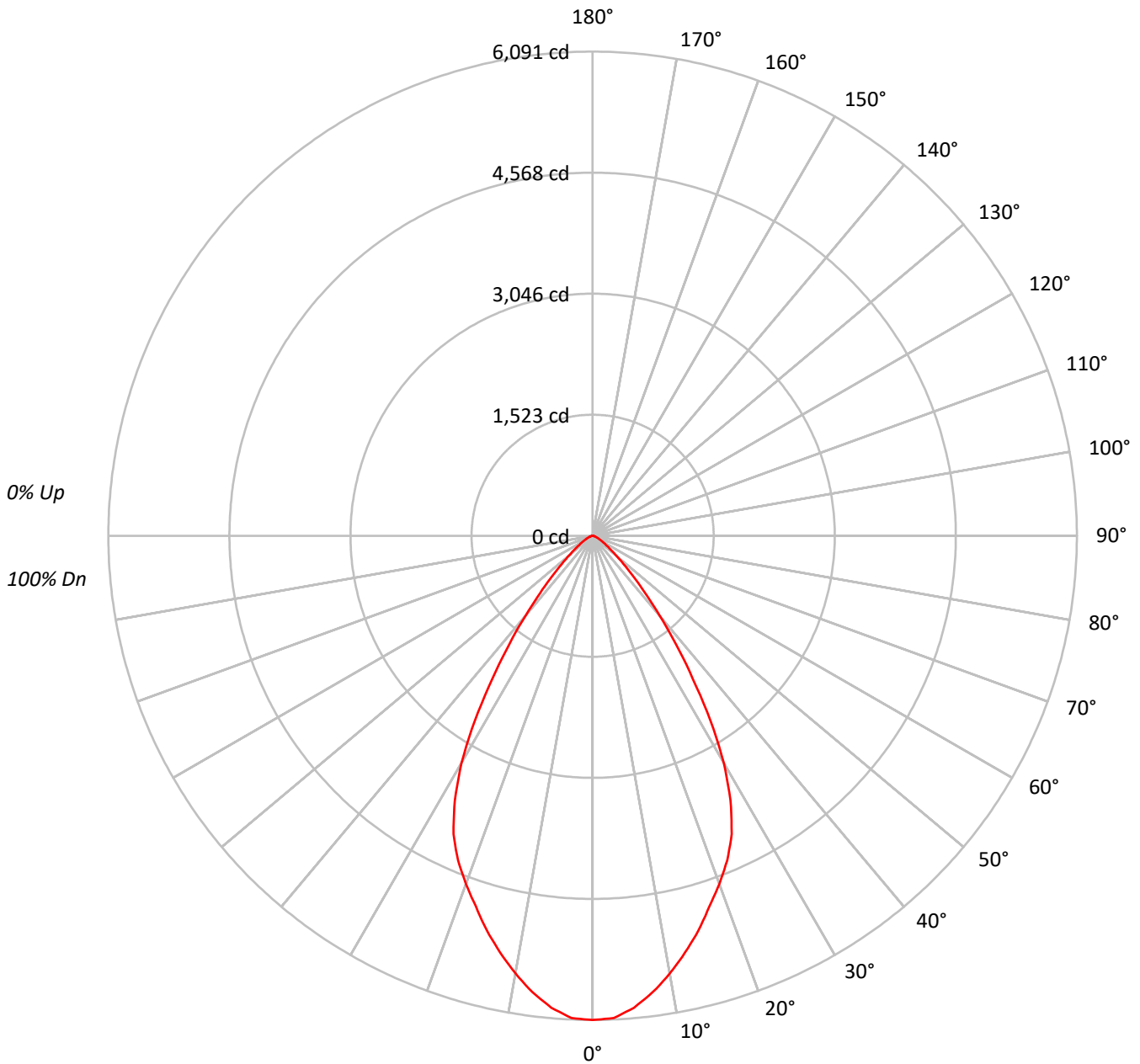
Lumens per Lamp: N/A
Luminaire Lumens: 6155.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	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°	333926
5°	327949
10°	311194
15°	291818
20°	271769
25°	250412
30°	208646
35°	147057
40°	93718
45°	55890
50°	32988
55°	20989
60°	14451
65°	10261
70°	7069
75°	5592
80°	2747
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.9	9.0
10°-20°	1440.8	23.4
20°-30°	1866.9	30.3
30°-40°	1386.0	22.5
40°-50°	585.1	9.5
50°-60°	207.7	3.4
60°-70°	80.2	1.3
70°-80°	27.8	0.5
80°-90°	3.5	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°	3864.6	62.8
0°-40°	5250.6	85.3
0°-60°	6043.5	98.2
0°-90°	6155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6155.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6091	
5°	5960	557
15°	5142	1441
25°	4140	1867
35°	2197	1386
45°	721	585
55°	220	208
65°	79	80
75°	26	28
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6091.3
2.5°	6073.6
5°	5959.5
7.5°	5792.3
10°	5590.4
12.5°	5370.4
15°	5141.8
17.5°	4887.1
20°	4658.5
22.5°	4421.2
25°	4139.9
27.5°	3753.0
30°	3296.1
32.5°	2759.8
35°	2197.4
37.5°	1722.8
40°	1309.6
42.5°	975.6
45°	720.9
47.5°	527.3
50°	386.8
52.5°	290.0
55°	219.6
57.5°	166.9
60°	131.8
62.5°	96.8
65°	79.1
67.5°	61.4
70°	44.1
72.5°	35.0
75°	26.4
77.5°	17.7
80°	8.7
82.5°	8.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)