

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: P578118

Luminaire Tested: **FLD6C-55-D010 FEU6C-X-90-30 F6X-W-X-LI**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P578118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/1/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6C-55-D010 FEU6C-X-90-30 F6X-W-X-LI
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 3000K, 90 CRI LEDS, 6LBWLI TRIM

Light Source: -
Ballast/Driver: -

Summary

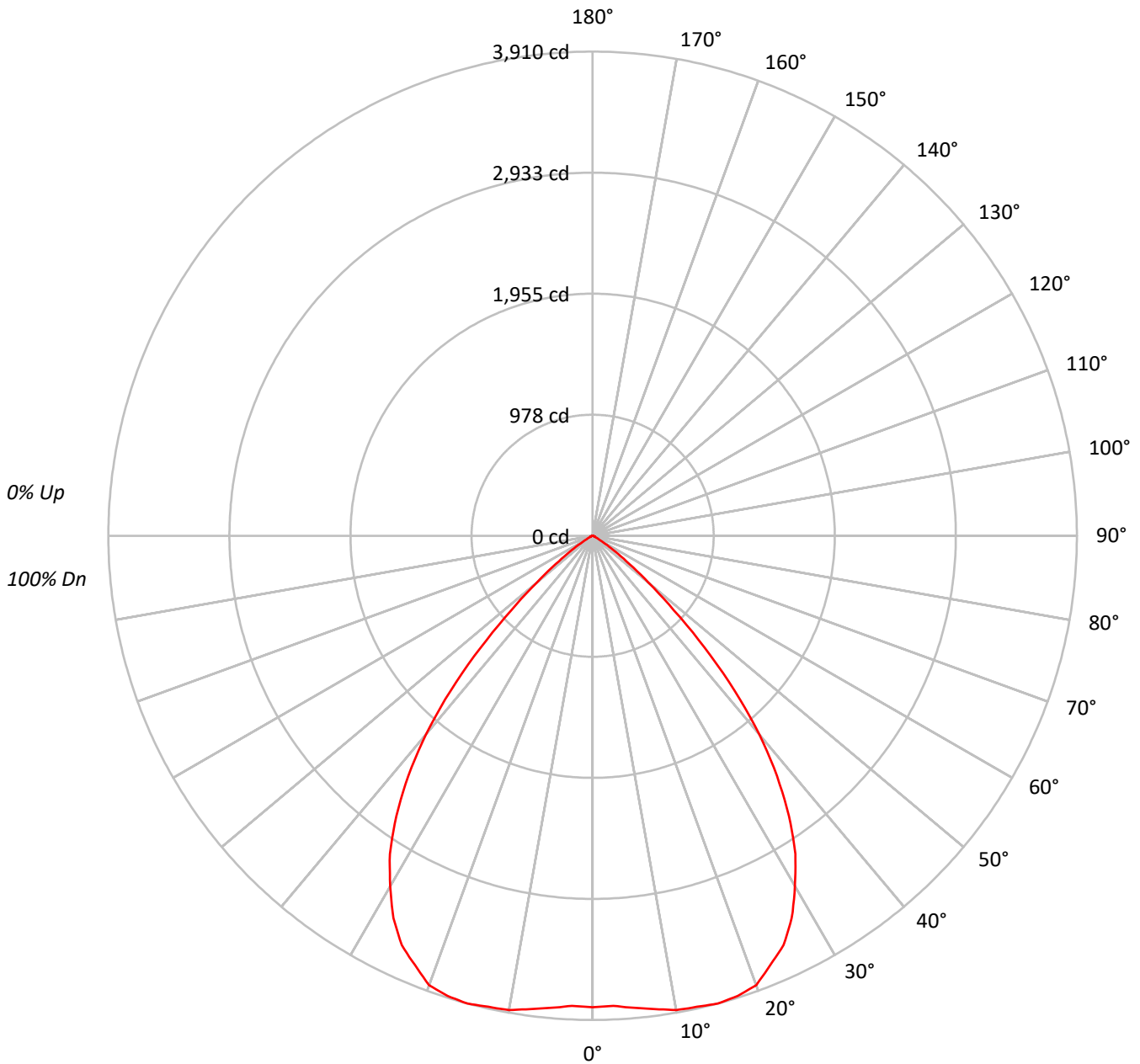
Lumens per Lamp: N/A
Luminaire Lumens: 6093.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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	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	100	100	100	100	100	100	100	100	100																	
	1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92	92	92	92	92	92	92	92	92	92	92																	
	2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83	83	83	83	83	83	83	83	83	83	83																	
	3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76	76	76	76	76	76	76	76	76	76	76																	
	4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69	69	69	69	69	69	69	69	69	69	69																	
	5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63	63	63	63	63	63	63	63	63	63	63																	
	6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57	57	57	57	57	57	57	57	57	57	57																	
	7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52	52	52	52	52	52	52	52	52	52	52																	
	8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48	48	48	48	48	48	48	48	48	48	48																	
	9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44	44	44	44	44	44	44	44	44	44	44																	
	10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41	41	41	41	41	41	41	41	41	41	41																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	208673
5°	210604
10°	216496
15°	221908
20°	225280
25°	220628
30°	206842
35°	184935
40°	149788
45°	99088
50°	50088
55°	21132
60°	6809
65°	2672
70°	2228
75°	1483
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.2	6.0
10°-20°	1103.7	18.1
20°-30°	1663.8	27.3
30°-40°	1703.0	27.9
40°-50°	992.1	16.3
50°-60°	228.0	3.7
60°-70°	28.0	0.5
70°-80°	7.4	0.1
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°	3134.7	51.4
0°-40°	4837.6	79.4
0°-60°	6057.7	99.4
0°-90°	6093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6093.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3806	
5°	3827	367
15°	3910	1104
25°	3648	1664
35°	2763	1703
45°	1278	992
55°	221	228
65°	21	28
75°	7	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3806.5
2.5°	3799.5
5°	3827.1
7.5°	3854.6
10°	3889.2
12.5°	3896.1
15°	3910.0
17.5°	3896.1
20°	3861.6
22.5°	3751.1
25°	3647.5
27.5°	3481.8
30°	3267.6
32.5°	3046.6
35°	2763.4
37.5°	2445.4
40°	2093.1
42.5°	1699.4
45°	1278.1
47.5°	891.1
50°	587.3
52.5°	373.1
55°	221.1
57.5°	117.5
60°	62.1
62.5°	34.5
65°	20.6
67.5°	20.6
70°	13.9
72.5°	7.0
75°	7.0
77.5°	7.0
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)