

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: P579928

Luminaire Tested: **FLD6C-90-D010 FEU6C-X-90-35 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P579928
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-90-D010 FEU6C-X-90-35 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 3500K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

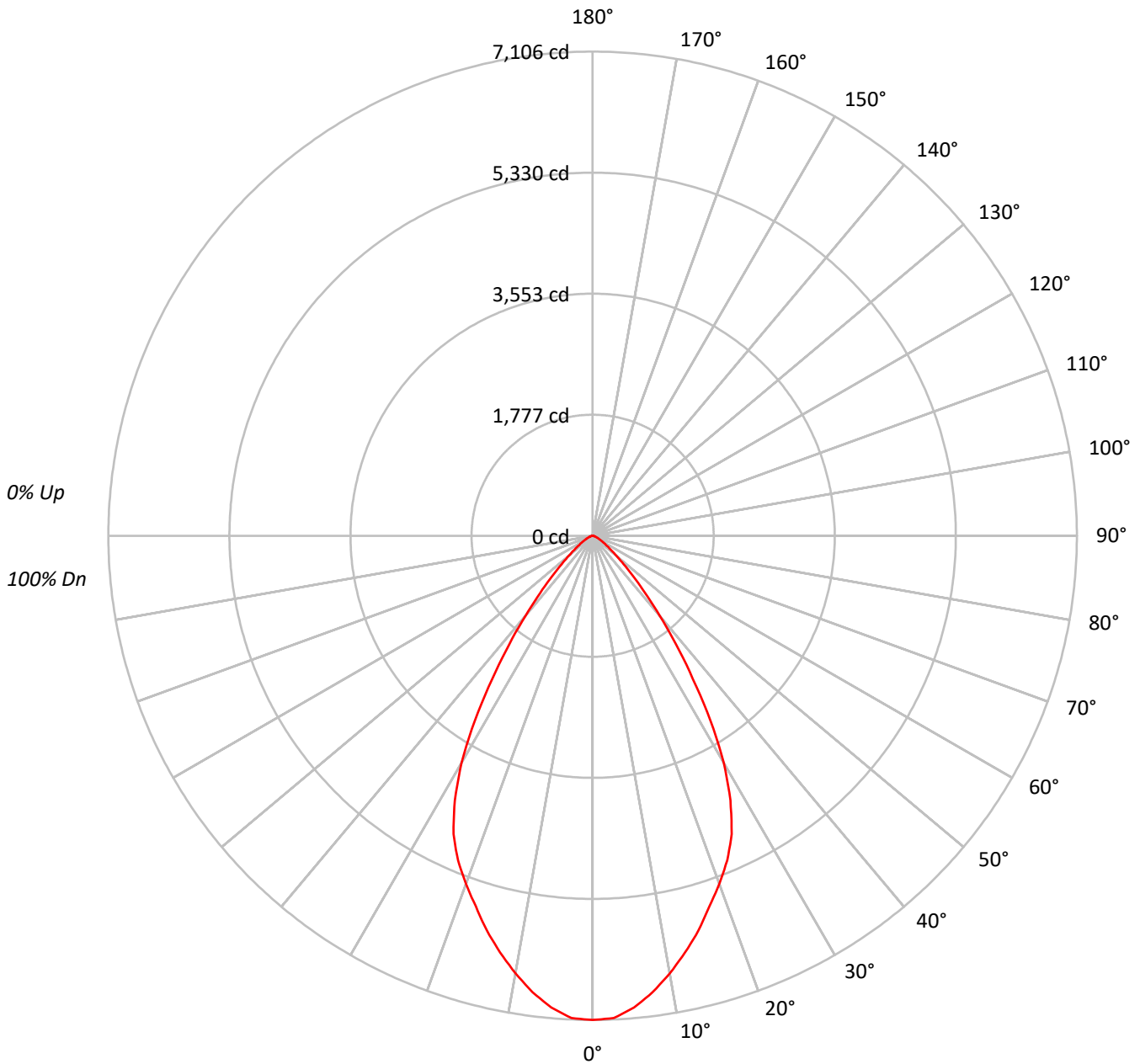
Lumens per Lamp: N/A
Luminaire Lumens: 7180.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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

TEST NUMBER: P579928

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	389536
5°	382560
10°	363014
15°	340416
20°	317028
25°	292112
30°	243398
35°	171551
40°	109326
45°	65201
50°	38481
55°	24487
60°	16863
65°	11973
70°	8239
75°	6524
80°	3189
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.7	9.0
10°-20°	1680.7	23.4
20°-30°	2177.8	30.3
30°-40°	1616.8	22.5
40°-50°	682.5	9.5
50°-60°	242.3	3.4
60°-70°	93.6	1.3
70°-80°	32.4	0.5
80°-90°	4.1	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°	4508.2	62.8
0°-40°	6125.1	85.3
0°-60°	7049.9	98.2
0°-90°	7180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7106	
5°	6952	650
15°	5998	1681
25°	4829	2178
35°	2563	1617
45°	841	683
55°	256	242
65°	92	94
75°	31	32
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7105.7
2.5°	7085.1
5°	6951.9
7.5°	6756.9
10°	6521.3
12.5°	6264.8
15°	5998.1
17.5°	5701.0
20°	5434.3
22.5°	5157.5
25°	4829.3
27.5°	4378.0
30°	3845.1
32.5°	3219.4
35°	2563.4
37.5°	2009.7
40°	1527.7
42.5°	1138.0
45°	841.0
47.5°	615.1
50°	451.2
52.5°	338.3
55°	256.2
57.5°	194.7
60°	153.8
62.5°	112.9
65°	92.3
67.5°	71.6
70°	51.4
72.5°	40.9
75°	30.8
77.5°	20.6
80°	10.1
82.5°	10.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)