

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: P579208

Luminaire Tested: **FLD6C-75-D010 FEU6C-X-90-27 F6X-M-X-H**

Issue Date: 3/1/2023



Test Information

Test Method: LM-79-08
Report Number: P579208
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-90-27 F6X-M-X-H
Description: 6 INCH FAIL-SAFE LED DOWNLIGHT WITH 2700K, 90 CRI LEDS, 6LBMH TRIM

Light Source: -
Ballast/Driver: -

Summary

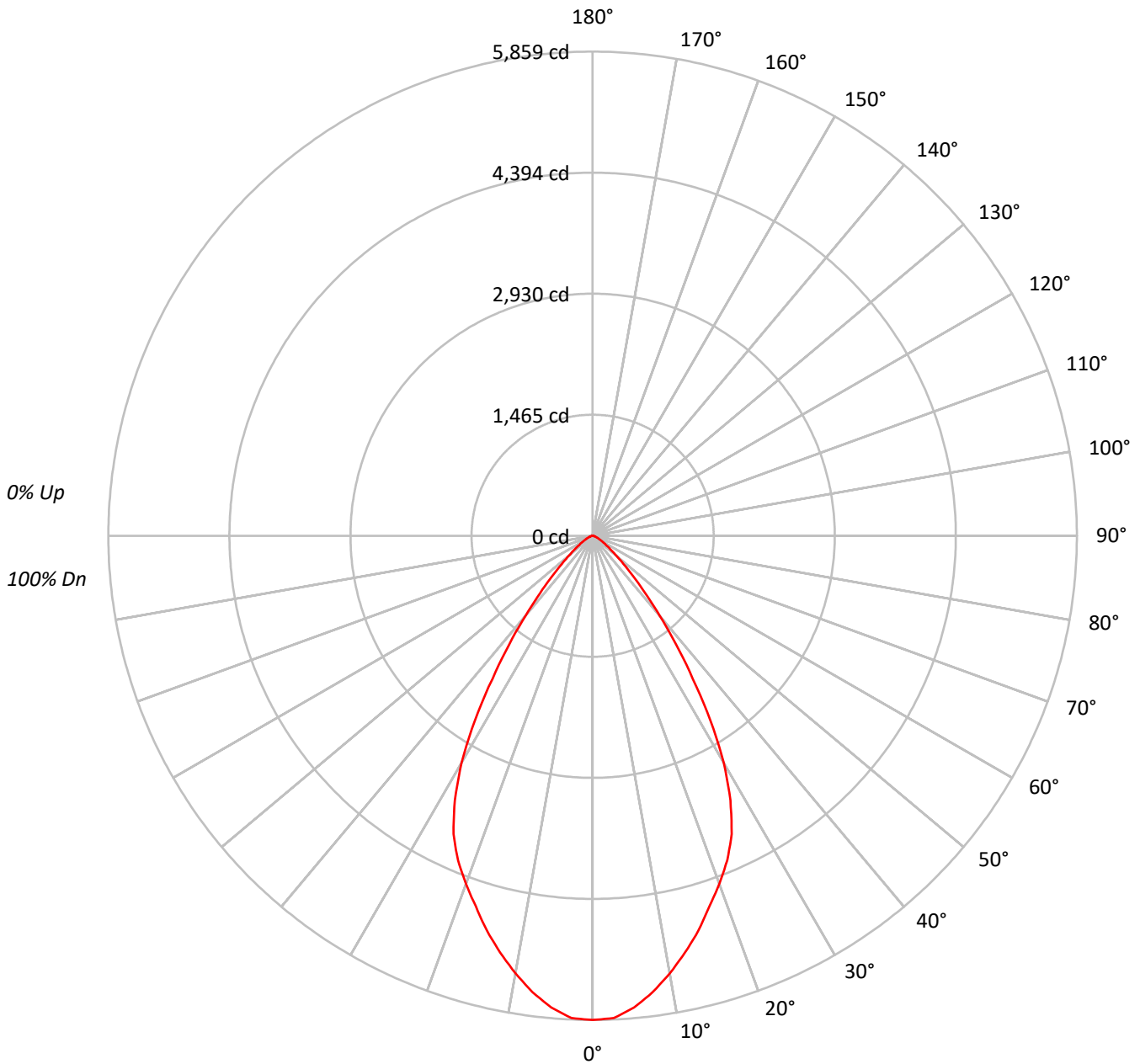
Lumens per Lamp: N/A
Luminaire Lumens: 5920.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V): NR
Input Current (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																	
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																																				
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°	321180
5°	315430
10°	299310
15°	280677
20°	261397
25°	240849
30°	200683
35°	141442
40°	90140
45°	53758
50°	31735
55°	20186
60°	13902
65°	9871
70°	6796
75°	5380
80°	2620
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.7	9.0
10°-20°	1385.8	23.4
20°-30°	1795.6	30.3
30°-40°	1333.1	22.5
40°-50°	562.8	9.5
50°-60°	199.8	3.4
60°-70°	77.2	1.3
70°-80°	26.7	0.5
80°-90°	3.4	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°	3717.1	62.8
0°-40°	5050.2	85.3
0°-60°	5812.8	98.2
0°-90°	5920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5920.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5859	
5°	5732	536
15°	4946	1386
25°	3982	1796
35°	2114	1333
45°	693	563
55°	211	200
65°	76	77
75°	25	27
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5858.8
2.5°	5841.7
5°	5732.0
7.5°	5571.1
10°	5376.9
12.5°	5165.4
15°	4945.5
17.5°	4700.6
20°	4480.7
22.5°	4252.4
25°	3981.8
27.5°	3609.8
30°	3170.3
32.5°	2654.4
35°	2113.5
37.5°	1657.1
40°	1259.6
42.5°	938.3
45°	693.4
47.5°	507.2
50°	372.1
52.5°	279.0
55°	211.2
57.5°	160.5
60°	126.8
62.5°	93.1
65°	76.1
67.5°	59.1
70°	42.4
72.5°	33.7
75°	25.4
77.5°	17.0
80°	8.3
82.5°	8.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180°







(END OF REPORT)