

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: PORTFOLIO

Report Number: P843338

Luminaire Tested: **LD4C10DE010B50 EU4C10B50 4LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206301)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C10DE010B50 EU4C10B50 4LBCSMB  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

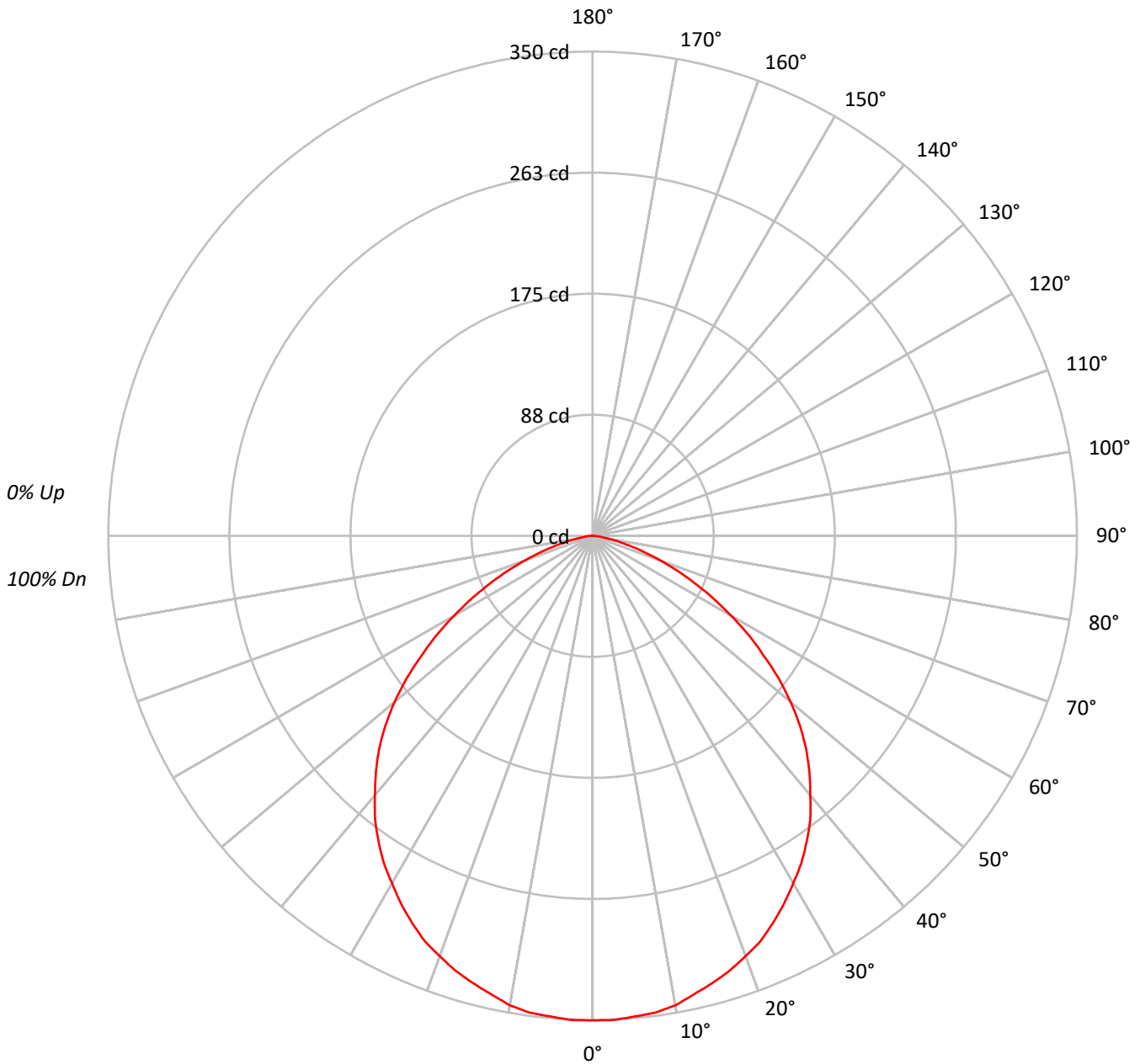
Lumens per Lamp: N/A  
Luminaire Lumens: 857.7 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.3  
Input Voltage (V):  
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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43036
5°	43015
10°	42988
15°	42570
20°	42268
25°	41845
30°	41139
35°	40464
40°	39260
45°	37928
50°	35683
55°	32278
60°	28355
65°	23866
70°	18642
75°	13053
80°	7358
85°	5075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.2	3.9
10°-20°	94.5	11.0
20°-30°	142.1	16.6
30°-40°	168.5	19.6
40°-50°	167.6	19.5
50°-60°	135.1	15.8
60°-70°	81.7	9.5
70°-80°	30.3	3.5
80°-90°	4.5	0.5
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°	269.8	31.5
0°-40°	438.3	51.1
0°-60°	741.1	86.4
0°-90°	857.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	350	
5°	349	33
15°	335	94
25°	309	142
35°	270	168
45°	218	168
55°	151	135
65°	82	82
75°	28	30
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	350.3
2.5°	350.3
5°	348.8
7.5°	347.7
10°	344.6
12.5°	339.4
15°	334.7
17.5°	329.6
20°	323.3
22.5°	317.1
25°	308.7
27.5°	299.8
30°	290.0
32.5°	280.7
35°	269.8
37.5°	258.4
40°	244.8
42.5°	231.8
45°	218.3
47.5°	203.2
50°	186.7
52.5°	169.4
55°	150.7
57.5°	134.1
60°	115.4
62.5°	98.8
65°	82.1
67.5°	66.5
70°	51.9
72.5°	39.0
75°	27.5
77.5°	17.7
80°	10.4
82.5°	6.2
85°	3.6
87.5°	1.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)