

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: P843548

Luminaire Tested: **LD4C25DE010B50 EU4C25B50 4LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843548  
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: LD4C25DE010B50 EU4C25B50 4LBCSMB  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

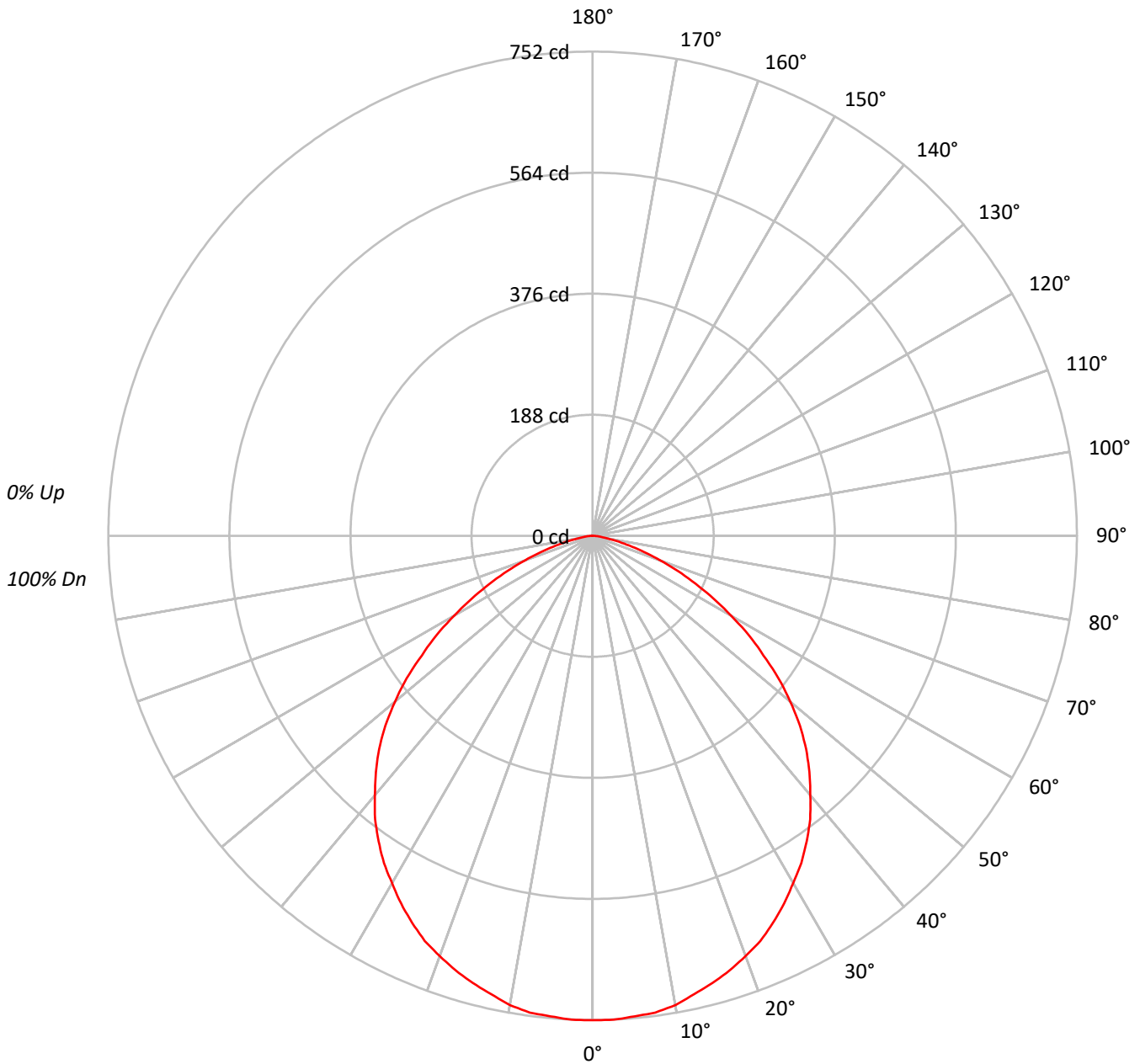
Lumens per Lamp: N/A  
Luminaire Lumens: 1842.4 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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°	92435
5°	92393
10°	92339
15°	91460
20°	90797
25°	89899
30°	88364
35°	86911
40°	84341
45°	81485
50°	76603
55°	69333
60°	60911
65°	51279
70°	40087
75°	28053
80°	15777
85°	10854



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.3	3.9
10°-20°	203.0	11.0
20°-30°	305.3	16.6
30°-40°	361.9	19.6
40°-50°	360.1	19.5
50°-60°	290.3	15.8
60°-70°	175.6	9.5
70°-80°	65.2	3.5
80°-90°	9.7	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°	579.6	31.5
0°-40°	941.5	51.1
0°-60°	1591.9	86.4
0°-90°	1842.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	752	
5°	749	71
15°	719	203
25°	663	305
35°	580	362
45°	469	360
55°	324	290
65°	176	176
75°	59	65
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	752.4
2.5°	752.4
5°	749.2
7.5°	746.9
10°	740.2
12.5°	729.0
15°	719.1
17.5°	707.9
20°	694.5
22.5°	681.1
25°	663.2
27.5°	644.1
30°	622.9
32.5°	602.9
35°	579.5
37.5°	554.9
40°	525.9
42.5°	498.0
45°	469.0
47.5°	436.5
50°	400.8
52.5°	363.9
55°	323.7
57.5°	288.1
60°	247.9
62.5°	212.2
65°	176.4
67.5°	142.9
70°	111.6
72.5°	83.8
75°	59.1
77.5°	38.0
80°	22.3
82.5°	13.4
85°	7.7
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)