

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: P843340

Luminaire Tested: **LD4C10DE010B2750 EU4C10B50 4LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843340  
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: LD4C10DE010B2750 EU4C10B50 4LBSCMW  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

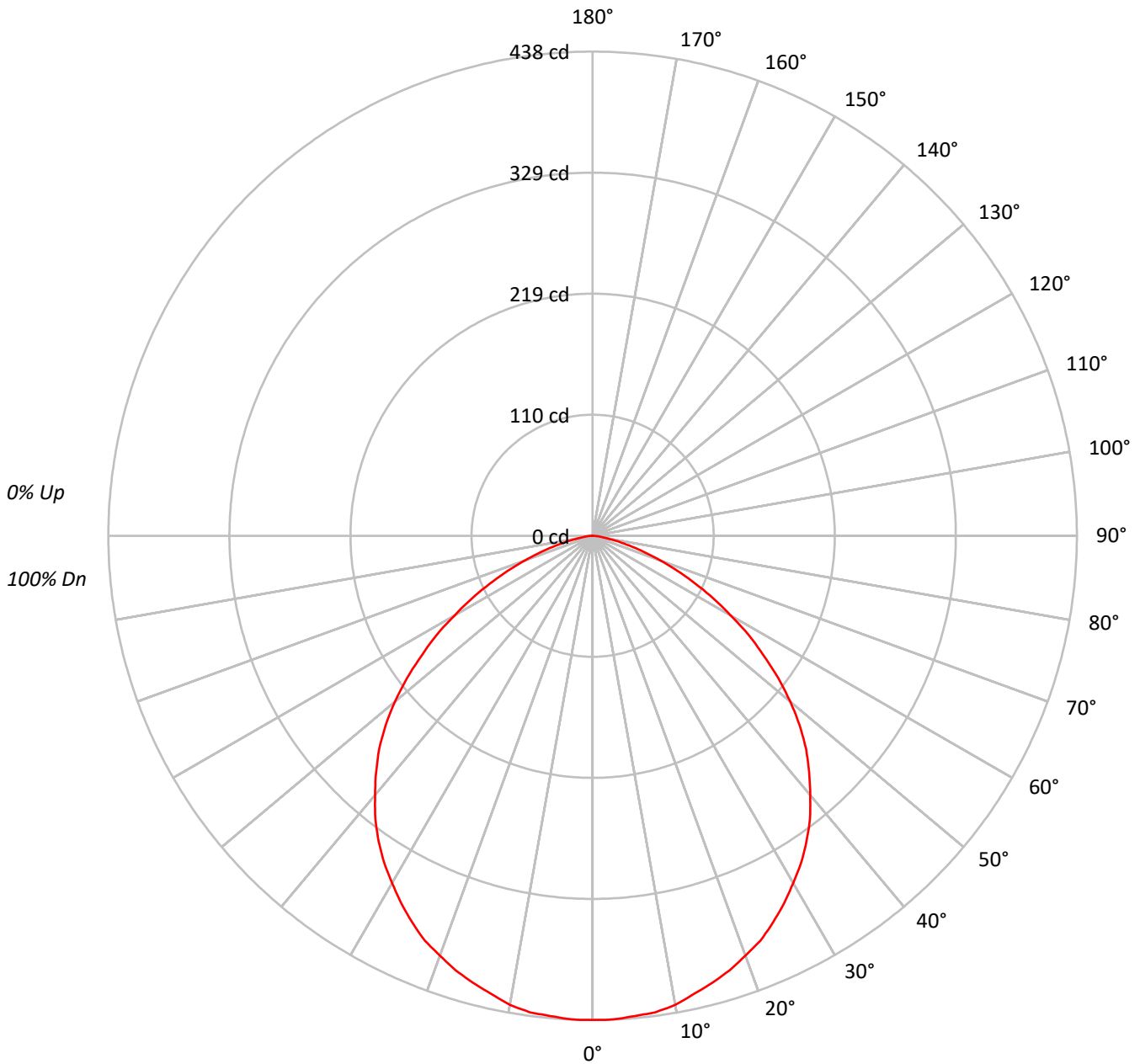
Lumens per Lamp: N/A  
Luminaire Lumens: 1072.4 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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°	53810
5°	53781
10°	53754
15°	53241
20°	52844
25°	52324
30°	51452
35°	50587
40°	49090
45°	47431
50°	44590
55°	40375
60°	35456
65°	29854
70°	23312
75°	16329
80°	9197
85°	6343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	3.9
10°-20°	118.2	11.0
20°-30°	177.7	16.6
30°-40°	210.6	19.6
40°-50°	209.6	19.5
50°-60°	169.0	15.8
60°-70°	102.2	9.5
70°-80°	37.9	3.5
80°-90°	5.6	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°	337.4	31.5
0°-40°	548.0	51.1
0°-60°	926.6	86.4
0°-90°	1072.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	438	
5°	436	42
15°	419	118
25°	386	178
35°	337	211
45°	273	210
55°	188	169
65°	103	102
75°	34	38
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	438.0
2.5°	438.0
5°	436.1
7.5°	434.8
10°	430.9
12.5°	424.4
15°	418.6
17.5°	412.1
20°	404.2
22.5°	396.5
25°	386.0
27.5°	374.9
30°	362.7
32.5°	350.9
35°	337.3
37.5°	323.0
40°	306.1
42.5°	289.9
45°	273.0
47.5°	254.0
50°	233.3
52.5°	211.8
55°	188.5
57.5°	167.7
60°	144.3
62.5°	123.5
65°	102.7
67.5°	83.1
70°	64.9
72.5°	48.8
75°	34.4
77.5°	22.1
80°	13.0
82.5°	7.8
85°	4.5
87.5°	1.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)