

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: P843325

Luminaire Tested: **LD4C10DE010B2750 EU4C10B40 4LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843325  
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 EU4C10B40 4LBCSMMS  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

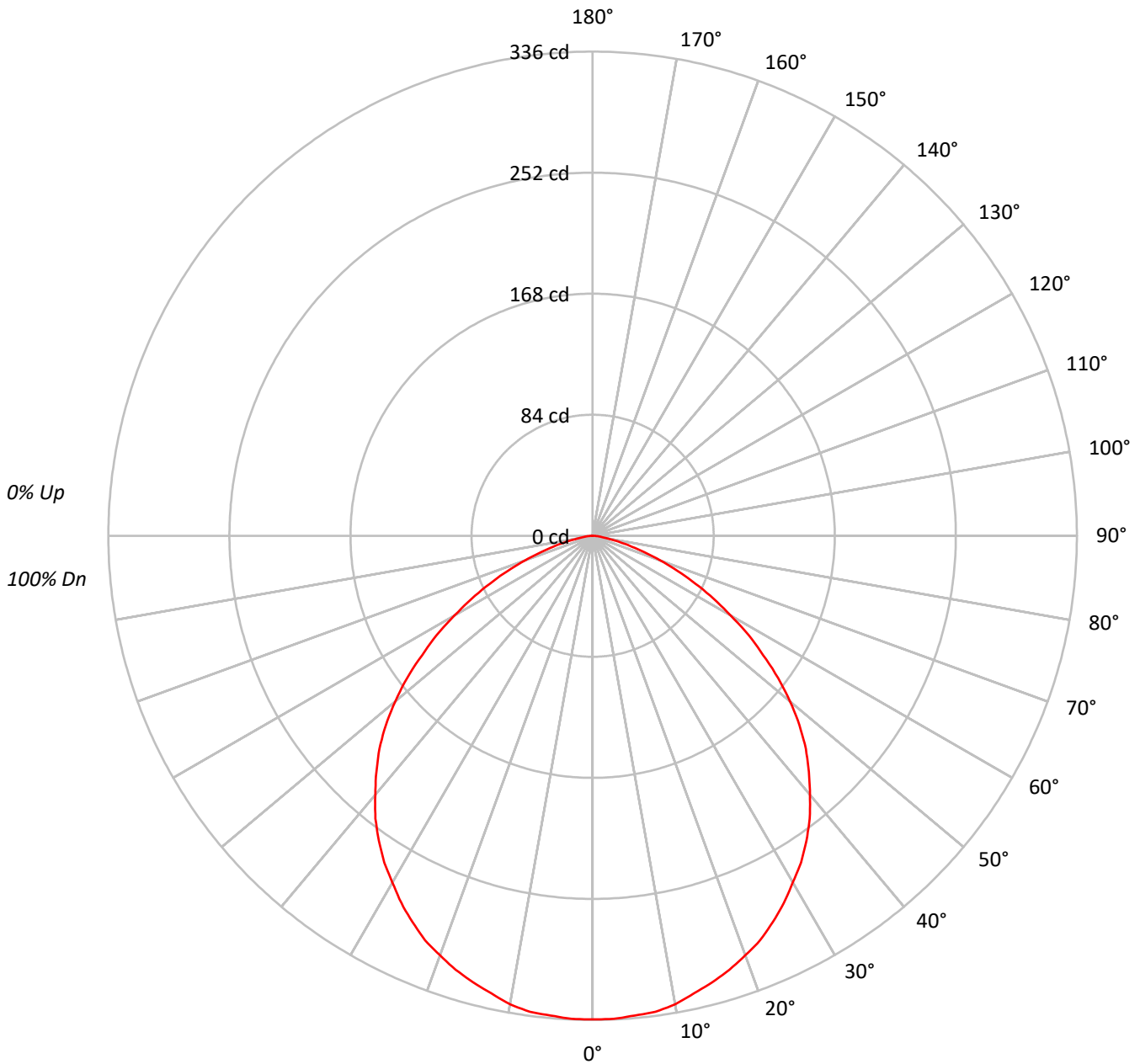
Lumens per Lamp: N/A  
Luminaire Lumens: 821.8 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	41230
5°	41214
10°	41192
15°	40802
20°	40503
25°	40097
30°	39408
35°	38769
40°	37624
45°	36347
50°	34173
55°	30929
60°	27151
65°	22878
70°	17888
75°	12484
80°	7004
85°	4934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	3.9
10°-20°	90.6	11.0
20°-30°	136.2	16.6
30°-40°	161.4	19.6
40°-50°	160.6	19.5
50°-60°	129.5	15.8
60°-70°	78.3	9.5
70°-80°	29.0	3.5
80°-90°	4.3	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°	258.6	31.5
0°-40°	420.0	51.1
0°-60°	710.1	86.4
0°-90°	821.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	336	
5°	334	32
15°	321	91
25°	296	136
35°	258	161
45°	209	161
55°	144	129
65°	79	78
75°	26	29
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	335.6
2.5°	335.6
5°	334.2
7.5°	333.2
10°	330.2
12.5°	325.2
15°	320.8
17.5°	315.8
20°	309.8
22.5°	303.8
25°	295.8
27.5°	287.4
30°	277.8
32.5°	269.0
35°	258.5
37.5°	247.5
40°	234.6
42.5°	222.1
45°	209.2
47.5°	194.7
50°	178.8
52.5°	162.3
55°	144.4
57.5°	128.5
60°	110.5
62.5°	94.7
65°	78.7
67.5°	63.7
70°	49.8
72.5°	37.3
75°	26.3
77.5°	16.9
80°	9.9
82.5°	6.0
85°	3.5
87.5°	1.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)