

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: P843227

Luminaire Tested: **LD4C08DE010B2750 EU4C08B30 4LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843227  
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: LD4C08DE010B2750 EU4C08B30 4LBCSMMS  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

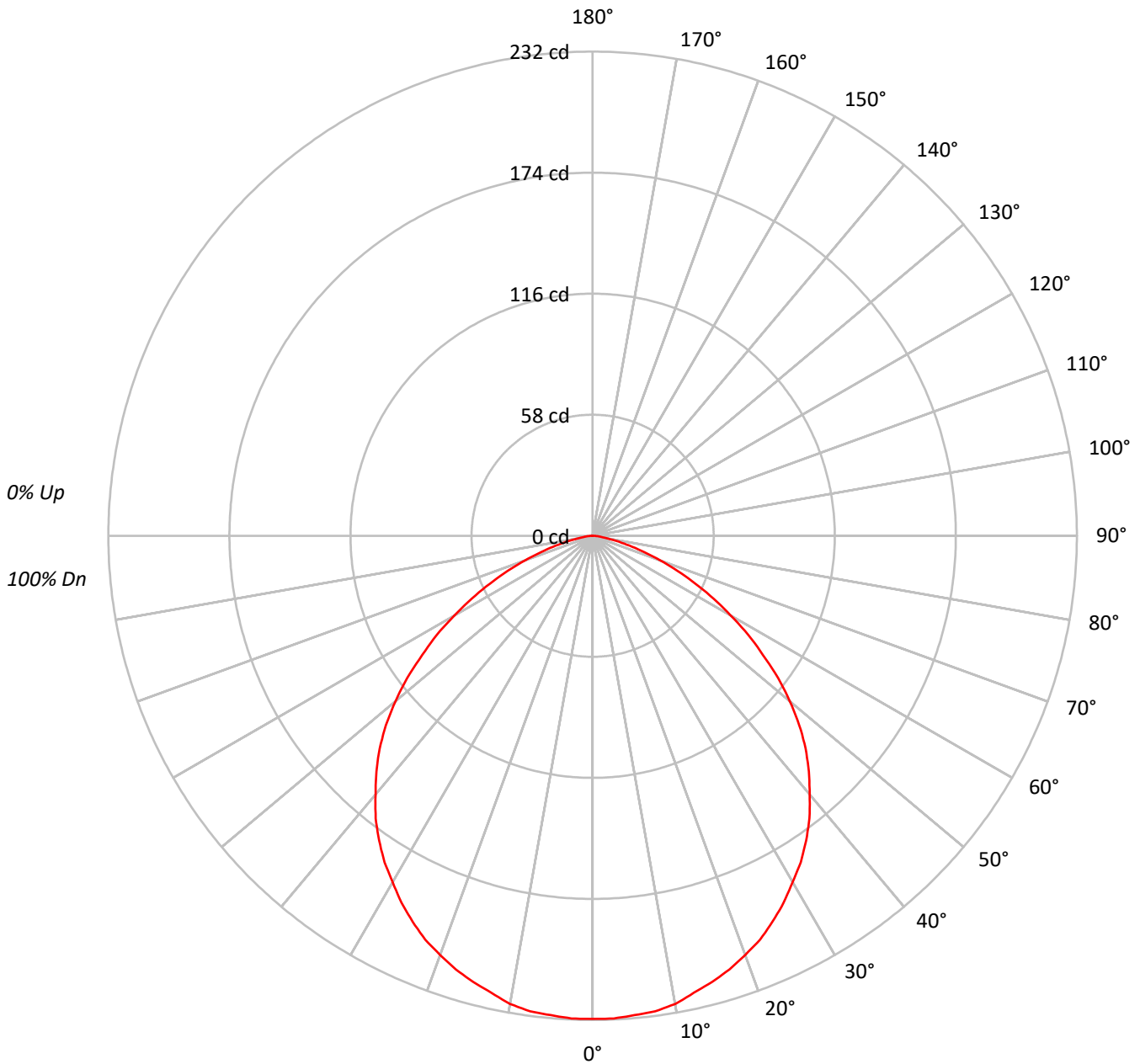
Lumens per Lamp: N/A  
Luminaire Lumens: 567.0 lumens  
Efficiency: N/A  
Efficacy: 59.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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	69	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	48	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°	28441
5°	28438
10°	28418
15°	28147
20°	27939
25°	27653
30°	27180
35°	26741
40°	25948
45°	25071
50°	23566
55°	21333
60°	18747
65°	15785
70°	12356
75°	8639
80°	4882
85°	3383



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	3.9
10°-20°	62.5	11.0
20°-30°	93.9	16.6
30°-40°	111.3	19.6
40°-50°	110.8	19.5
50°-60°	89.3	15.8
60°-70°	54.1	9.5
70°-80°	20.1	3.5
80°-90°	3.0	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°	178.3	31.5
0°-40°	289.7	51.1
0°-60°	489.8	86.4
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	232	
5°	231	22
15°	221	62
25°	204	94
35°	178	111
45°	144	111
55°	100	89
65°	54	54
75°	18	20
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	231.5
2.5°	231.5
5°	230.6
7.5°	229.8
10°	227.8
12.5°	224.3
15°	221.3
17.5°	217.9
20°	213.7
22.5°	209.5
25°	204.0
27.5°	198.2
30°	191.6
32.5°	185.5
35°	178.3
37.5°	170.7
40°	161.8
42.5°	153.3
45°	144.3
47.5°	134.3
50°	123.3
52.5°	112.0
55°	99.6
57.5°	88.6
60°	76.3
62.5°	65.3
65°	54.3
67.5°	44.0
70°	34.4
72.5°	25.8
75°	18.2
77.5°	11.7
80°	6.9
82.5°	4.1
85°	2.4
87.5°	1.1
90°	0.0



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— 0°-180°







(END OF REPORT)