

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: P843284

Luminaire Tested: **LD4C10DE010B2750 EU4C10B27 4LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843284  
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 EU4C10B27 4LBSCMW  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

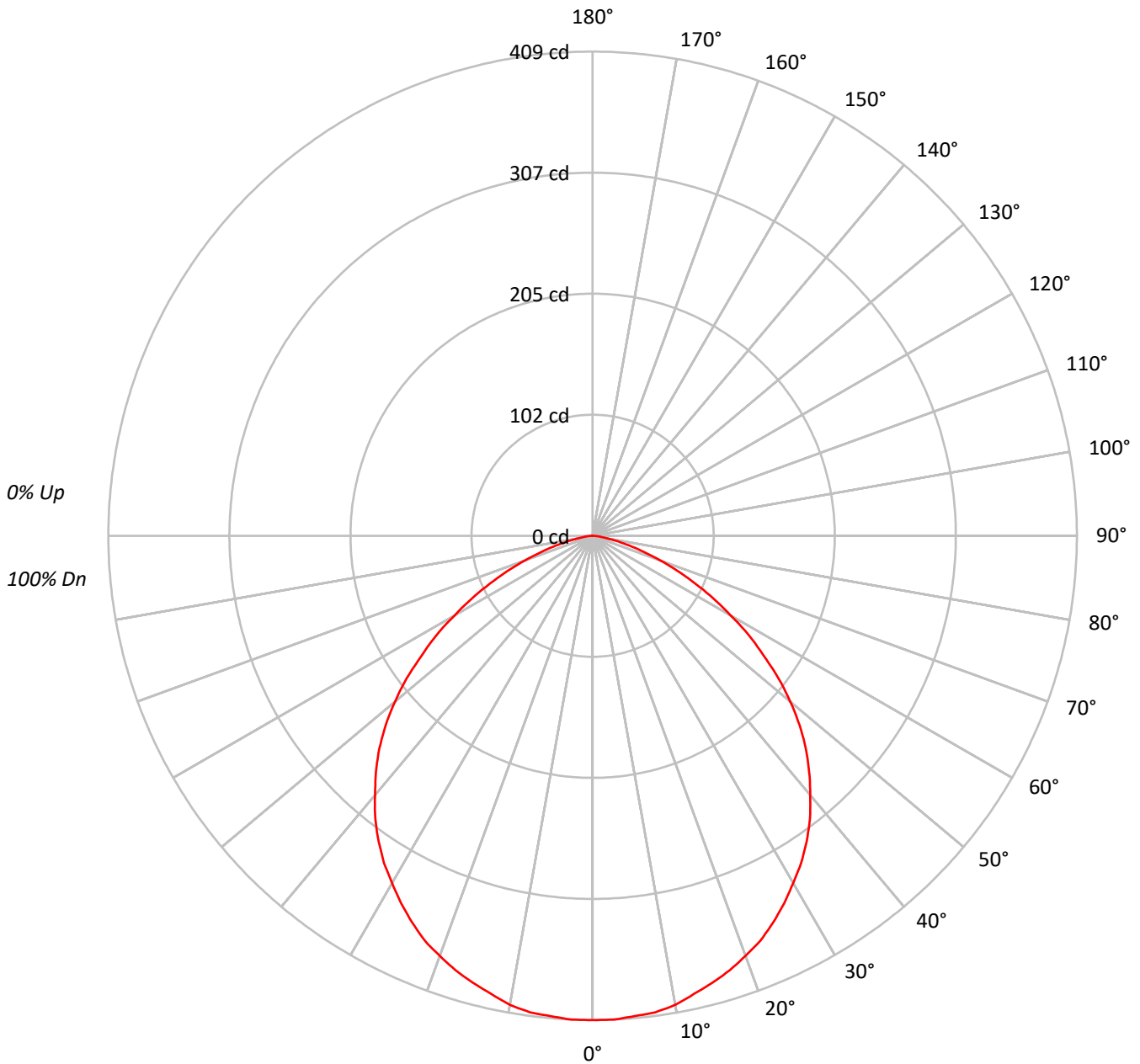
Lumens per Lamp: N/A  
Luminaire Lumens: 1001.6 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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°	50259
5°	50229
10°	50199
15°	49718
20°	49367
25°	48867
30°	48048
35°	47258
40°	45851
45°	44287
50°	41665
55°	37697
60°	33097
65°	27878
70°	21767
75°	15284
80°	8631
85°	5920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	3.9
10°-20°	110.4	11.0
20°-30°	166.0	16.6
30°-40°	196.7	19.6
40°-50°	195.8	19.5
50°-60°	157.8	15.8
60°-70°	95.4	9.5
70°-80°	35.4	3.5
80°-90°	5.3	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°	315.1	31.5
0°-40°	511.8	51.1
0°-60°	865.4	86.4
0°-90°	1001.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	409	
5°	407	39
15°	391	110
25°	360	166
35°	315	197
45°	255	196
55°	176	158
65°	96	95
75°	32	35
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	409.1
2.5°	409.1
5°	407.3
7.5°	406.0
10°	402.4
12.5°	396.3
15°	390.9
17.5°	384.9
20°	377.6
22.5°	370.3
25°	360.5
27.5°	350.2
30°	338.7
32.5°	327.8
35°	315.1
37.5°	301.6
40°	285.9
42.5°	270.8
45°	254.9
47.5°	237.2
50°	218.0
52.5°	197.9
55°	176.0
57.5°	156.6
60°	134.7
62.5°	115.3
65°	95.9
67.5°	77.6
70°	60.6
72.5°	45.5
75°	32.2
77.5°	20.6
80°	12.2
82.5°	7.3
85°	4.2
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)