

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: P843296

Luminaire Tested: **LD4C10DE010B2750 EU4C10B30 4LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843296  
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 EU4C10B30 4LBCSMB  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

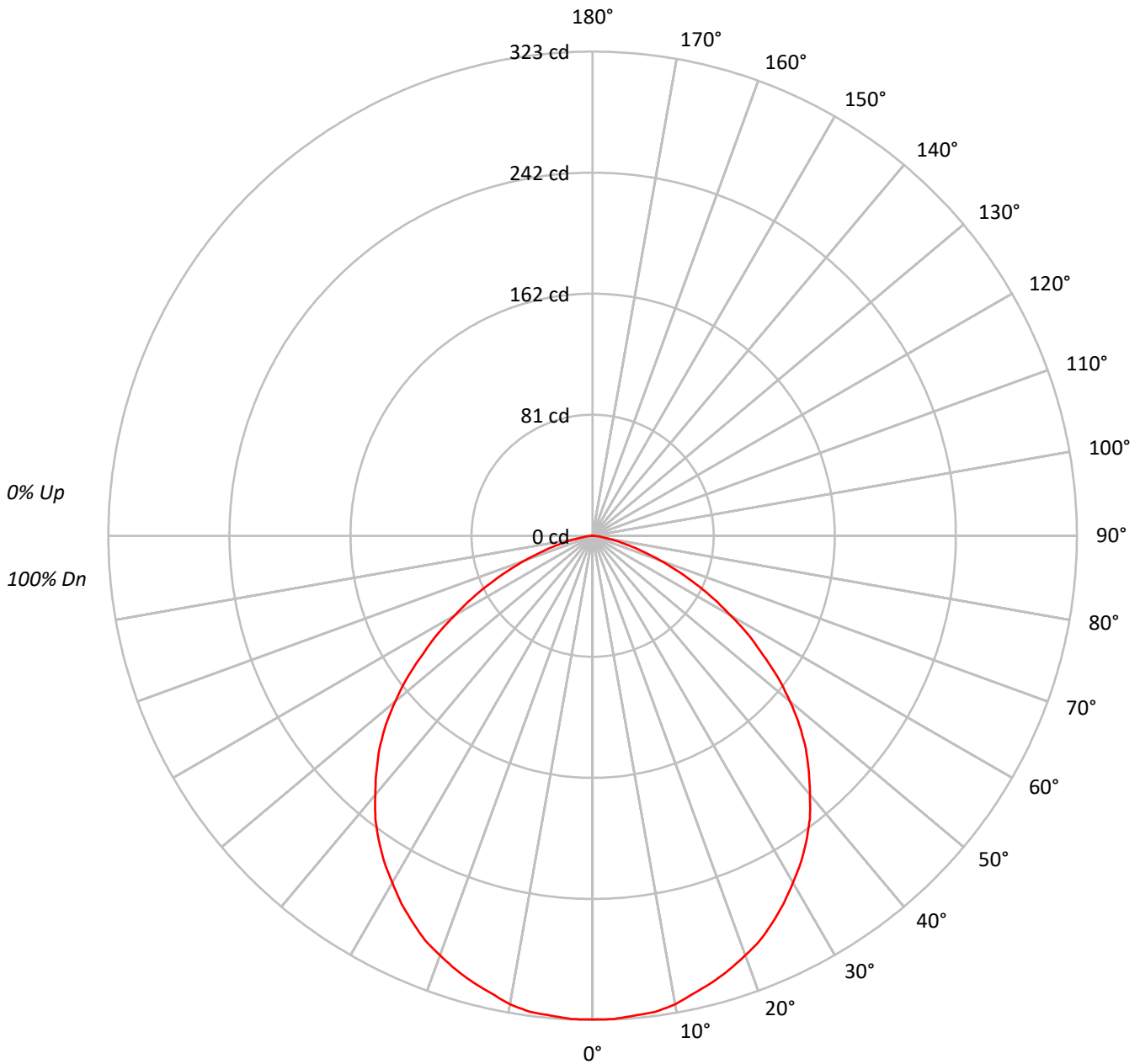
Lumens per Lamp: N/A  
Luminaire Lumens: 790.0 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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°	39645
5°	39624
10°	39595
15°	39225
20°	38934
25°	38552
30°	37905
35°	37269
40°	36164
45°	34939
50°	32855
55°	29729
60°	26119
65°	21977
70°	17170
75°	12057
80°	6792
85°	4652



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.6	3.9
10°-20°	87.0	11.0
20°-30°	131.0	16.6
30°-40°	155.2	19.6
40°-50°	154.4	19.5
50°-60°	124.5	15.8
60°-70°	75.3	9.5
70°-80°	28.0	3.5
80°-90°	4.1	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°	248.6	31.5
0°-40°	403.8	51.1
0°-60°	682.7	86.4
0°-90°	790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	323	
5°	321	31
15°	308	87
25°	284	131
35°	248	155
45°	201	154
55°	139	124
65°	76	75
75°	25	28
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	322.7
2.5°	322.7
5°	321.3
7.5°	320.3
10°	317.4
12.5°	312.6
15°	308.4
17.5°	303.5
20°	297.8
22.5°	292.1
25°	284.4
27.5°	276.3
30°	267.2
32.5°	258.5
35°	248.5
37.5°	238.0
40°	225.5
42.5°	213.5
45°	201.1
47.5°	187.2
50°	171.9
52.5°	156.1
55°	138.8
57.5°	123.5
60°	106.3
62.5°	91.0
65°	75.6
67.5°	61.2
70°	47.8
72.5°	35.9
75°	25.4
77.5°	16.3
80°	9.6
82.5°	5.7
85°	3.3
87.5°	1.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)