

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: P843361

Luminaire Tested: **LD4C15DE010B2750 EU4C15B27 4LBNLI**

Issue Date: 2/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P843361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C15DE010B2750 EU4C15B27 4LBNLI  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

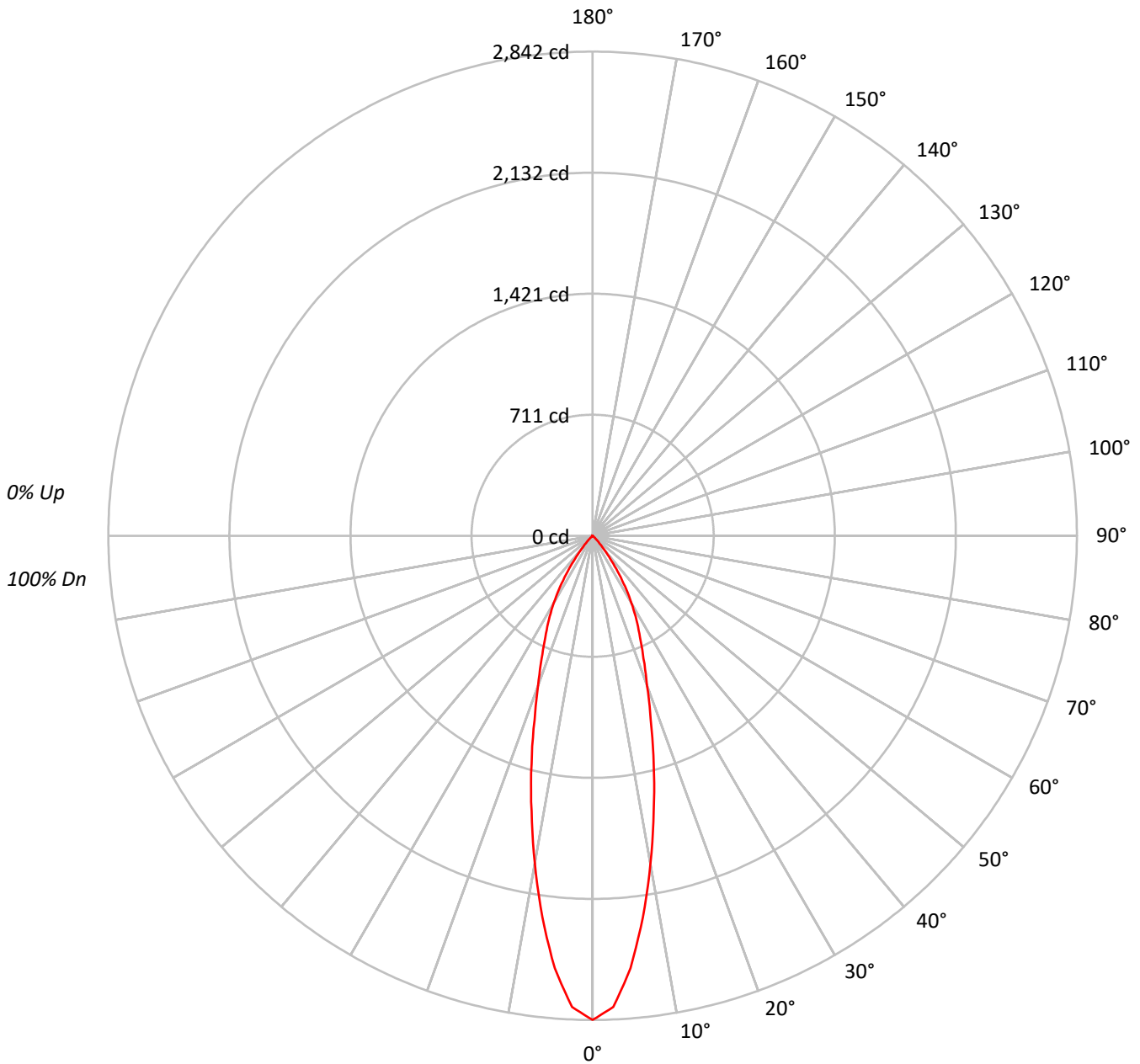
Lumens per Lamp: N/A  
Luminaire Lumens: 1104.2 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 17  
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

TEST NUMBER: P843361

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B27 4LBNLI

### Luminous Intensity Polar Plot





TEST NUMBER: P843361

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B27 4LBNLI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90		
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77		
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69		
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66		
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63		
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61		

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

	0°
0°	349088
5°	314140
10°	243534
15°	176269
20°	122057
25°	88978
30°	64645
35°	38259
40°	16102
45°	5021
50°	650
55°	364
60°	418
65°	494
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P843361

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B27 4LBNLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.9	20.3
10°-20°	383.4	34.7
20°-30°	304.7	27.6
30°-40°	161.3	14.6
40°-50°	27.8	2.5
50°-60°	2.1	0.2
60°-70°	1.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	912.0	82.6
0°-40°	1073.3	97.2
0°-60°	1103.2	99.9
0°-90°	1104.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2842	
5°	2547	224
15°	1386	383
25°	656	305
35°	255	161
45°	29	28
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P843361

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B27 4LBNLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2841.5
2.5°	2768.4
5°	2547.3
7.5°	2258.3
10°	1952.2
12.5°	1656.3
15°	1385.9
17.5°	1134.2
20°	933.6
22.5°	780.5
25°	656.4
27.5°	556.1
30°	455.7
32.5°	353.7
35°	255.1
37.5°	168.4
40°	100.4
42.5°	57.9
45°	28.9
47.5°	10.3
50°	3.4
52.5°	3.4
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
65°	1.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)