

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: P843407

Luminaire Tested: **LD4C15DE010B2750 EU4C15B40 4LBWLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P843407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C15DE010B2750 EU4C15B40 4LBWLI  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

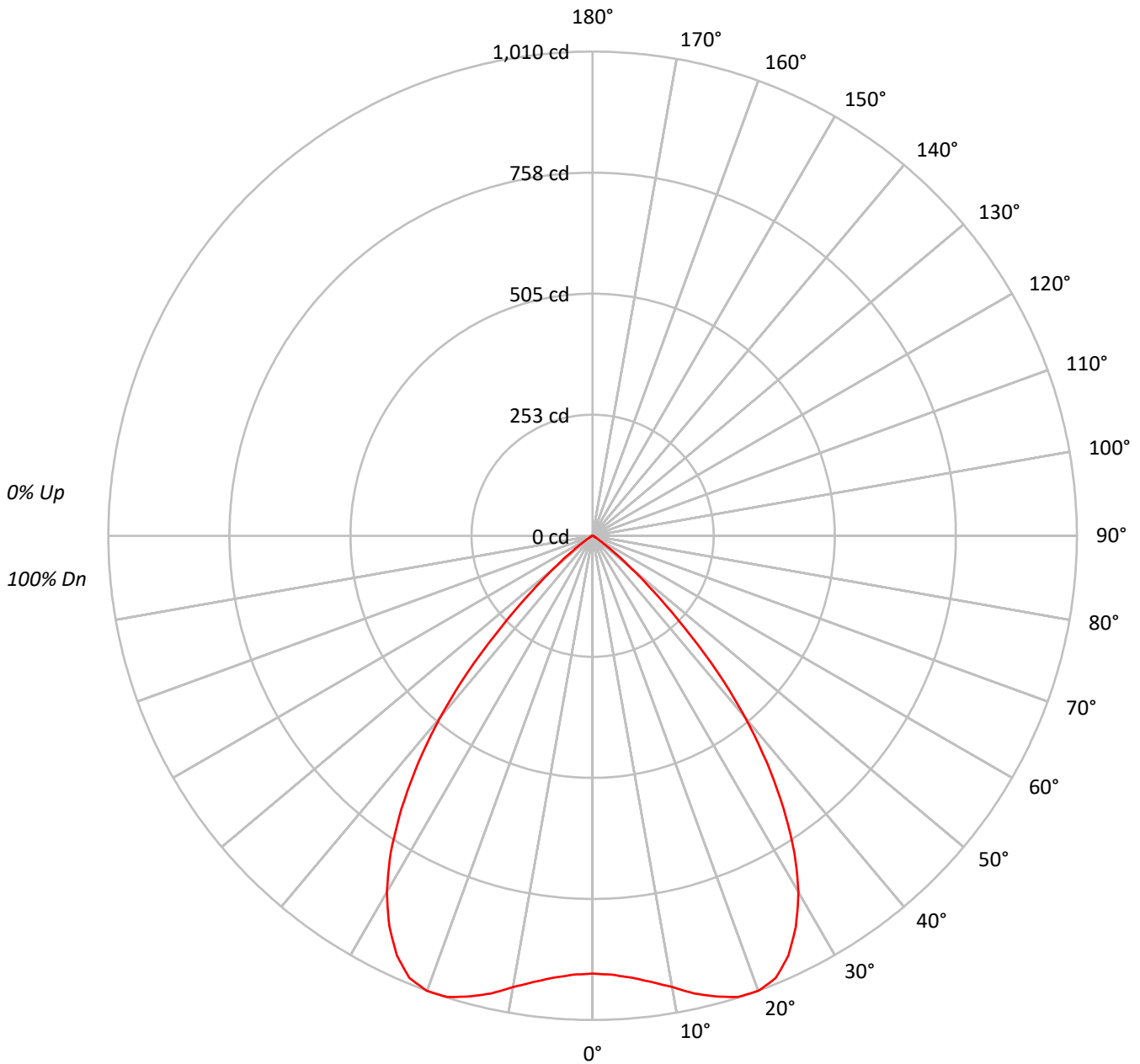
Lumens per Lamp: N/A  
Luminaire Lumens: 1490.3 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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: P843407

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B40 4LBWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P843407

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B40 4LBWLI

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54	54	54	54
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45	45	45	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42	42	42	42

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

	0°
0°	112178
5°	114074
10°	119235
15°	126551
20°	132098
25°	130945
30°	121786
35°	104189
40°	79385
45°	46563
50°	19896
55°	5869
60°	1695
65°	988
70°	611
75°	807
80°	0
85°	0



TEST NUMBER: P843407

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B40 4LBWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.3	6.0
10°-20°	281.8	18.9
20°-30°	439.6	29.5
30°-40°	427.8	28.7
40°-50°	213.7	14.3
50°-60°	33.1	2.2
60°-70°	4.0	0.3
70°-80°	1.1	0.1
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°	810.7	54.4
0°-40°	1238.4	83.1
0°-60°	1485.2	99.7
0°-90°	1490.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1490.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	913	
5°	925	89
15°	995	282
25°	966	440
35°	695	428
45°	268	214
55°	27	33
65°	3	4
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P843407

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B40 4LBWLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	913.1
2.5°	916.4
5°	925.0
7.5°	938.6
10°	955.8
12.5°	977.9
15°	995.0
17.5°	1008.7
20°	1010.4
22.5°	998.4
25°	966.0
27.5°	918.1
30°	858.5
32.5°	783.4
35°	694.7
37.5°	597.4
40°	495.0
42.5°	385.7
45°	268.0
47.5°	172.4
50°	104.1
52.5°	56.3
55°	27.4
57.5°	12.0
60°	6.9
62.5°	5.1
65°	3.4
67.5°	3.4
70°	1.7
72.5°	1.7
75°	1.7
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)