

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: P843387

Luminaire Tested: **LD4C15DE010B35 EU4C15B35 4LBMLI**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15DE010B35 EU4C15B35 4LBMLI
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

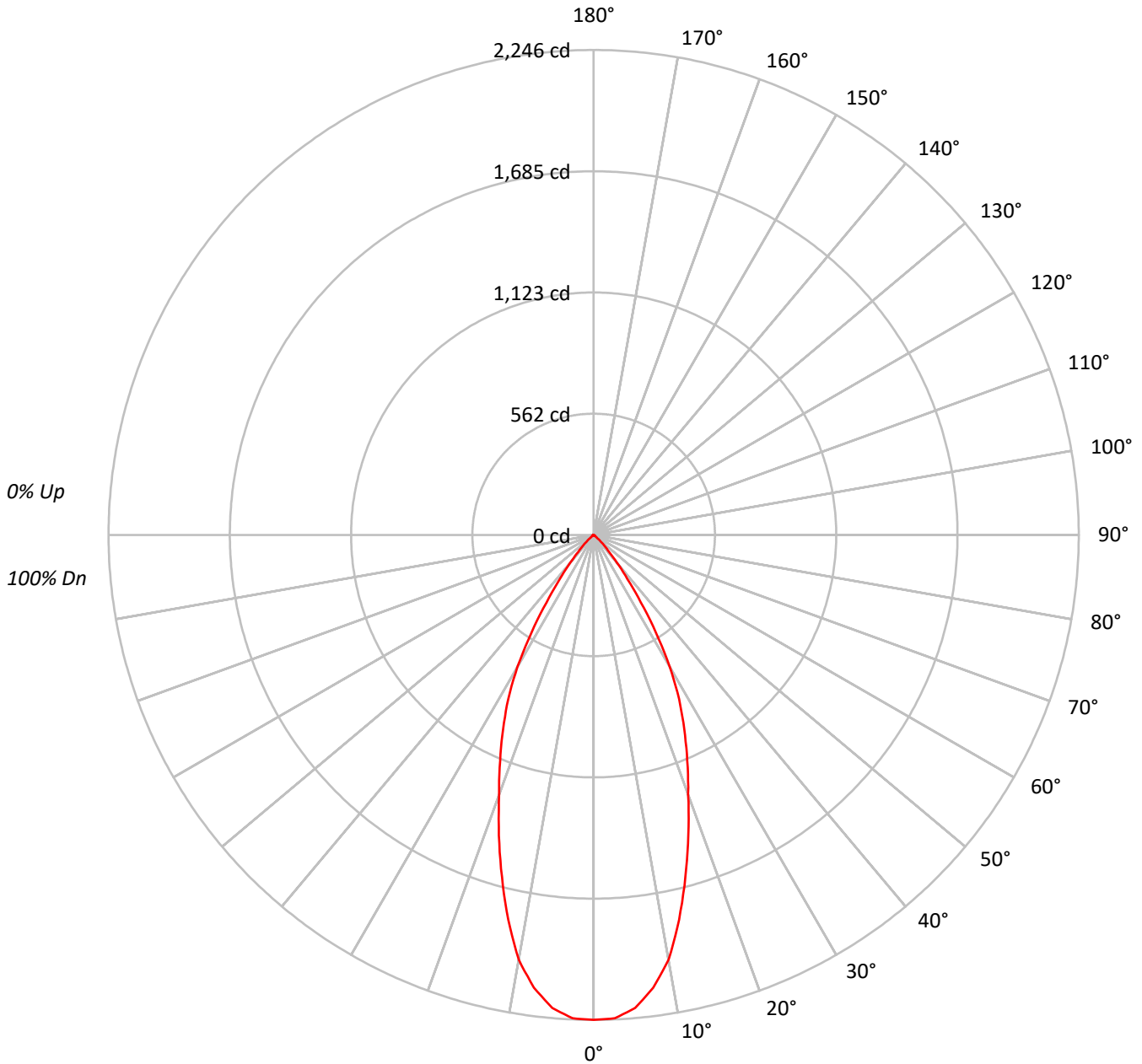
Lumens per Lamp: N/A
Luminaire Lumens: 1424.7 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843387

CATALOG NUMBER: LD4C15DE010B35 EU4C15B35 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P843387

CATALOG NUMBER: LD4C15DE010B35 EU4C15B35 4LBMLI

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			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275917
5°	271211
10°	249210
15°	208702
20°	167201
25°	134347
30°	100011
35°	57141
40°	26815
45°	11397
50°	3612
55°	1863
60°	1278
65°	1017
70°	611
75°	0
80°	0
85°	0



TEST NUMBER: P843387

CATALOG NUMBER: LD4C15DE010B35 EU4C15B35 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	14.3
10°-20°	454.6	31.9
20°-30°	452.0	31.7
30°-40°	246.2	17.3
40°-50°	56.9	4.0
50°-60°	8.0	0.6
60°-70°	3.0	0.2
70°-80°	0.7	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°	1109.9	77.9
0°-40°	1356.1	95.2
0°-60°	1421.1	99.7
0°-90°	1424.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2246	
5°	2199	203
15°	1641	455
25°	991	452
35°	381	246
45°	66	57
55°	9	8
65°	4	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P843387

CATALOG NUMBER: LD4C15DE010B35 EU4C15B35 4LBMLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	2245.9
2.5°	2240.7
5°	2199.2
7.5°	2114.8
10°	1997.7
12.5°	1825.3
15°	1640.9
17.5°	1458.2
20°	1278.9
22.5°	1132.4
25°	991.1
27.5°	856.7
30°	705.0
32.5°	536.1
35°	381.0
37.5°	256.8
40°	167.2
42.5°	105.1
45°	65.6
47.5°	38.0
50°	18.9
52.5°	10.4
55°	8.7
57.5°	5.2
60°	5.2
62.5°	3.5
65°	3.5
67.5°	1.7
70°	1.7
72.5°	1.7
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)