

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: P843414

Luminaire Tested: **LD4C15DE010B50 EU4C15B50 4LBMH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15DE010B50 EU4C15B50 4LBMH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

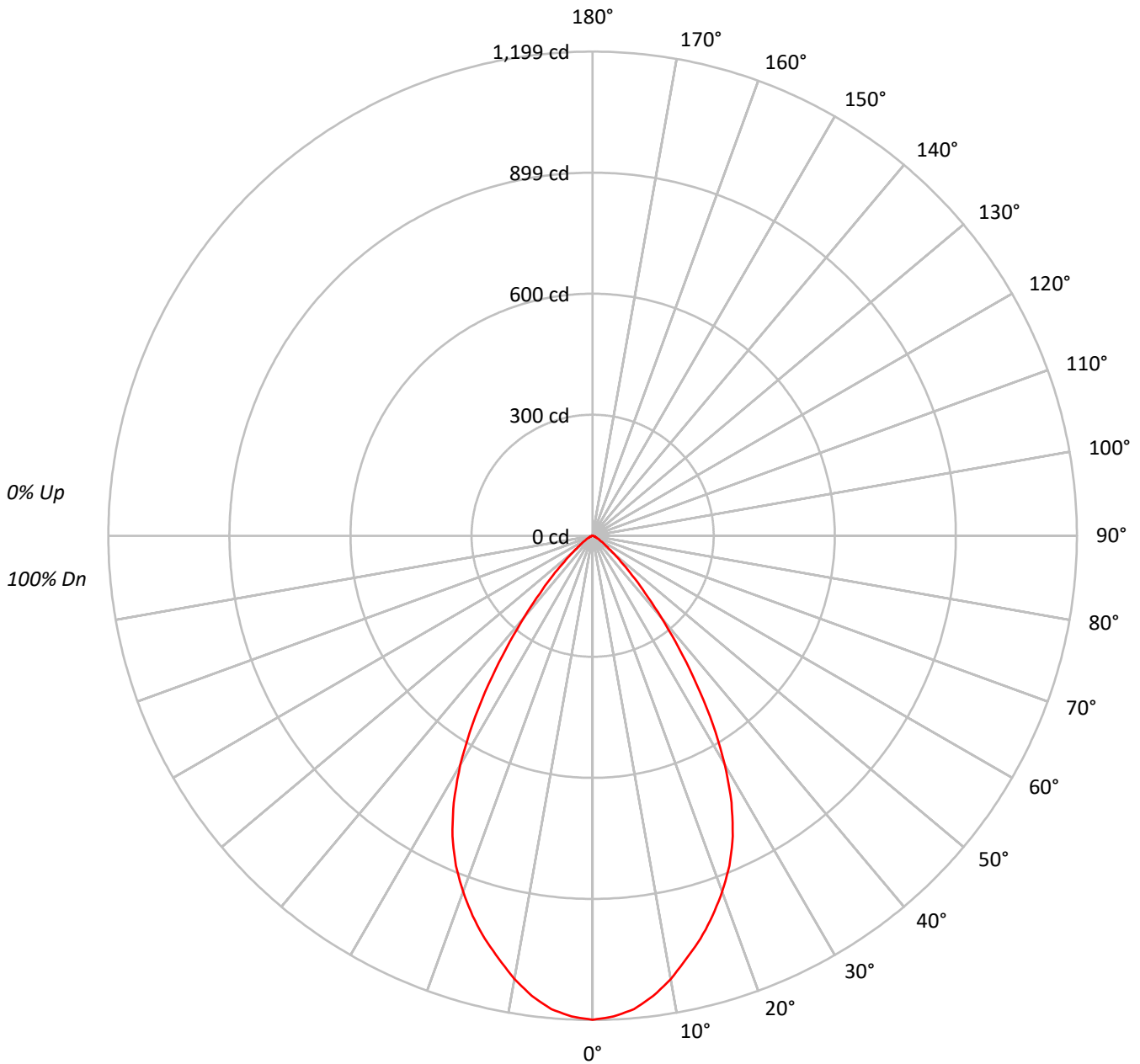
Lumens per Lamp: N/A
Luminaire Lumens: 1208.9 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843414

CATALOG NUMBER: LD4C15DE010B50 EU4C15B50 4LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P843414

CATALOG NUMBER: LD4C15DE010B50 EU4C15B50 4LBMH

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147264
5°	145114
10°	139057
15°	131346
20°	122593
25°	111290
30°	92918
35°	67324
40°	42130
45°	24098
50°	12557
55°	7047
60°	4496
65°	2645
70°	1976
75°	854
80°	1273
85°	0



TEST NUMBER: P843414

CATALOG NUMBER: LD4C15DE010B50 EU4C15B50 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	9.1
10°-20°	289.4	23.9
20°-30°	371.9	30.8
30°-40°	279.8	23.1
40°-50°	112.4	9.3
50°-60°	31.9	2.6
60°-70°	10.1	0.8
70°-80°	2.9	0.2
80°-90°	0.2	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°	771.5	63.8
0°-40°	1051.3	87.0
0°-60°	1195.6	98.9
0°-90°	1208.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1208.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1199	
5°	1177	110
15°	1033	289
25°	821	372
35°	449	280
45°	139	112
55°	33	32
65°	9	10
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P843414

CATALOG NUMBER: LD4C15DE010B50 EU4C15B50 4LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1198.7
2.5°	1191.4
5°	1176.7
7.5°	1149.4
10°	1114.7
12.5°	1072.9
15°	1032.7
17.5°	987.0
20°	937.7
22.5°	884.9
25°	821.0
27.5°	744.4
30°	655.0
32.5°	554.6
35°	448.9
37.5°	350.3
40°	262.7
42.5°	193.4
45°	138.7
47.5°	94.9
50°	65.7
52.5°	45.6
55°	32.9
57.5°	23.7
60°	18.3
62.5°	12.8
65°	9.1
67.5°	7.3
70°	5.5
72.5°	3.7
75°	1.8
77.5°	1.8
80°	1.8
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)