

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: P843408

Luminaire Tested: **LD4C15DE010B50 EU4C15B50 4LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843408
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: LD4C15DE010B50 EU4C15B50 4LBCSMB
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

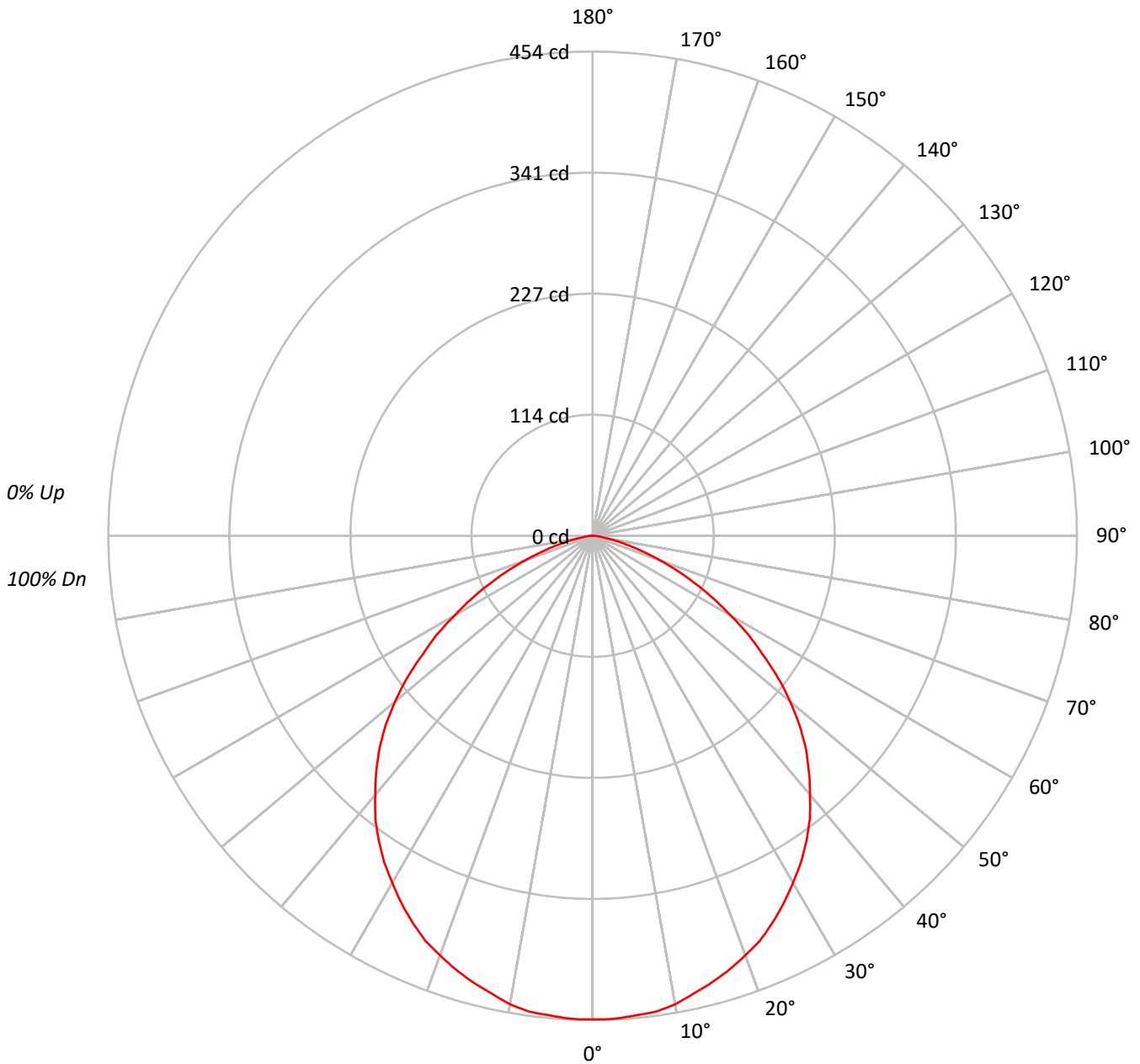
Lumens per Lamp: N/A
Luminaire Lumens: 1110.6 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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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
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°	55714
5°	55693
10°	55663
15°	55123
20°	54727
25°	54194
30°	53282
35°	52387
40°	50839
45°	49117
50°	46195
55°	41788
60°	36709
65°	30901
70°	24174
75°	16898
80°	9480
85°	6625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	3.9
10°-20°	122.3	11.0
20°-30°	184.1	16.6
30°-40°	218.1	19.6
40°-50°	217.1	19.5
50°-60°	175.0	15.8
60°-70°	105.8	9.5
70°-80°	39.3	3.5
80°-90°	5.8	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°	349.4	31.5
0°-40°	567.5	51.1
0°-60°	959.6	86.4
0°-90°	1110.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1110.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	454	
5°	452	43
15°	433	122
25°	400	184
35°	349	218
45°	283	217
55°	195	175
65°	106	106
75°	36	39
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	453.5
2.5°	453.5
5°	451.6
7.5°	450.2
10°	446.2
12.5°	439.4
15°	433.4
17.5°	426.6
20°	418.6
22.5°	410.6
25°	399.8
27.5°	388.3
30°	375.6
32.5°	363.4
35°	349.3
37.5°	334.5
40°	317.0
42.5°	300.2
45°	282.7
47.5°	263.1
50°	241.7
52.5°	219.4
55°	195.1
57.5°	173.7
60°	149.4
62.5°	127.9
65°	106.3
67.5°	86.1
70°	67.3
72.5°	50.4
75°	35.6
77.5°	23.0
80°	13.4
82.5°	8.0
85°	4.7
87.5°	2.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)