

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: P843395

Luminaire Tested: **LD4C15DE010B40 EU4C15B40 4LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843395
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: LD4C15DE010B40 EU4C15B40 4LBCSMMS
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

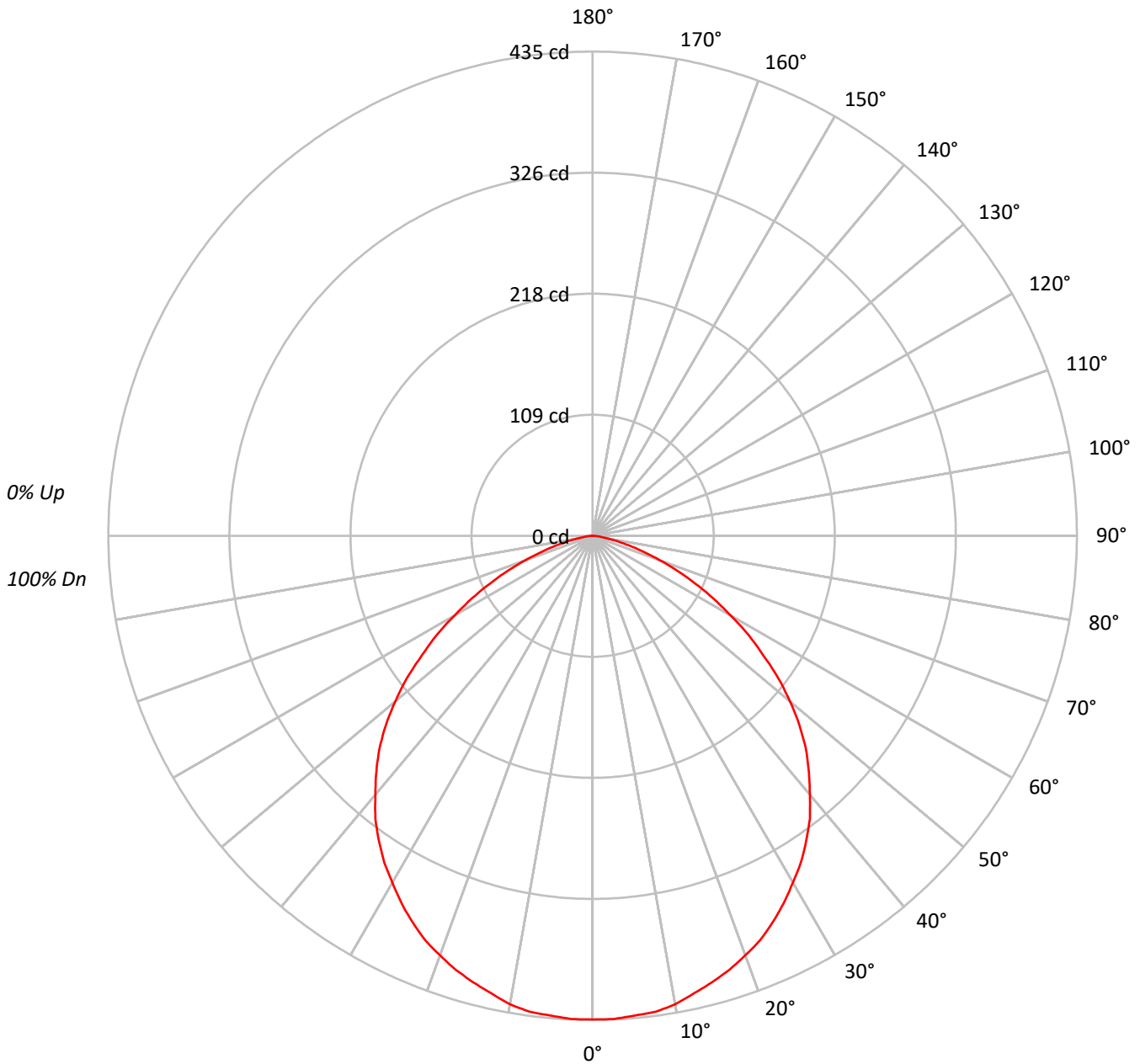
Lumens per Lamp: N/A
Luminaire Lumens: 1064.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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				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°	53392
5°	53362
10°	53330
15°	52808
20°	52439
25°	51917
30°	51041
35°	50182
40°	48689
45°	47066
50°	44246
55°	40053
60°	35185
65°	29622
70°	23132
75°	16234
80°	9127
85°	6202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	3.9
10°-20°	117.2	11.0
20°-30°	176.3	16.6
30°-40°	209.0	19.6
40°-50°	208.0	19.5
50°-60°	167.7	15.8
60°-70°	101.4	9.5
70°-80°	37.6	3.5
80°-90°	5.6	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°	334.7	31.5
0°-40°	543.7	51.1
0°-60°	919.4	86.4
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	435	
5°	433	41
15°	415	117
25°	383	176
35°	335	209
45°	271	208
55°	187	168
65°	102	101
75°	34	38
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	434.6
2.5°	434.6
5°	432.7
7.5°	431.4
10°	427.5
12.5°	421.0
15°	415.2
17.5°	408.8
20°	401.1
22.5°	393.3
25°	383.0
27.5°	372.0
30°	359.8
32.5°	348.2
35°	334.6
37.5°	320.5
40°	303.6
42.5°	287.6
45°	270.9
47.5°	252.0
50°	231.5
52.5°	210.2
55°	187.0
57.5°	166.4
60°	143.2
62.5°	122.5
65°	101.9
67.5°	82.5
70°	64.4
72.5°	48.3
75°	34.2
77.5°	21.9
80°	12.9
82.5°	7.7
85°	4.4
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)