

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: P843352

Luminaire Tested: **LD4C15DE010B2750 EU4C15B27 4LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843352
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: LD4C15DE010B2750 EU4C15B27 4LBCSMB
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

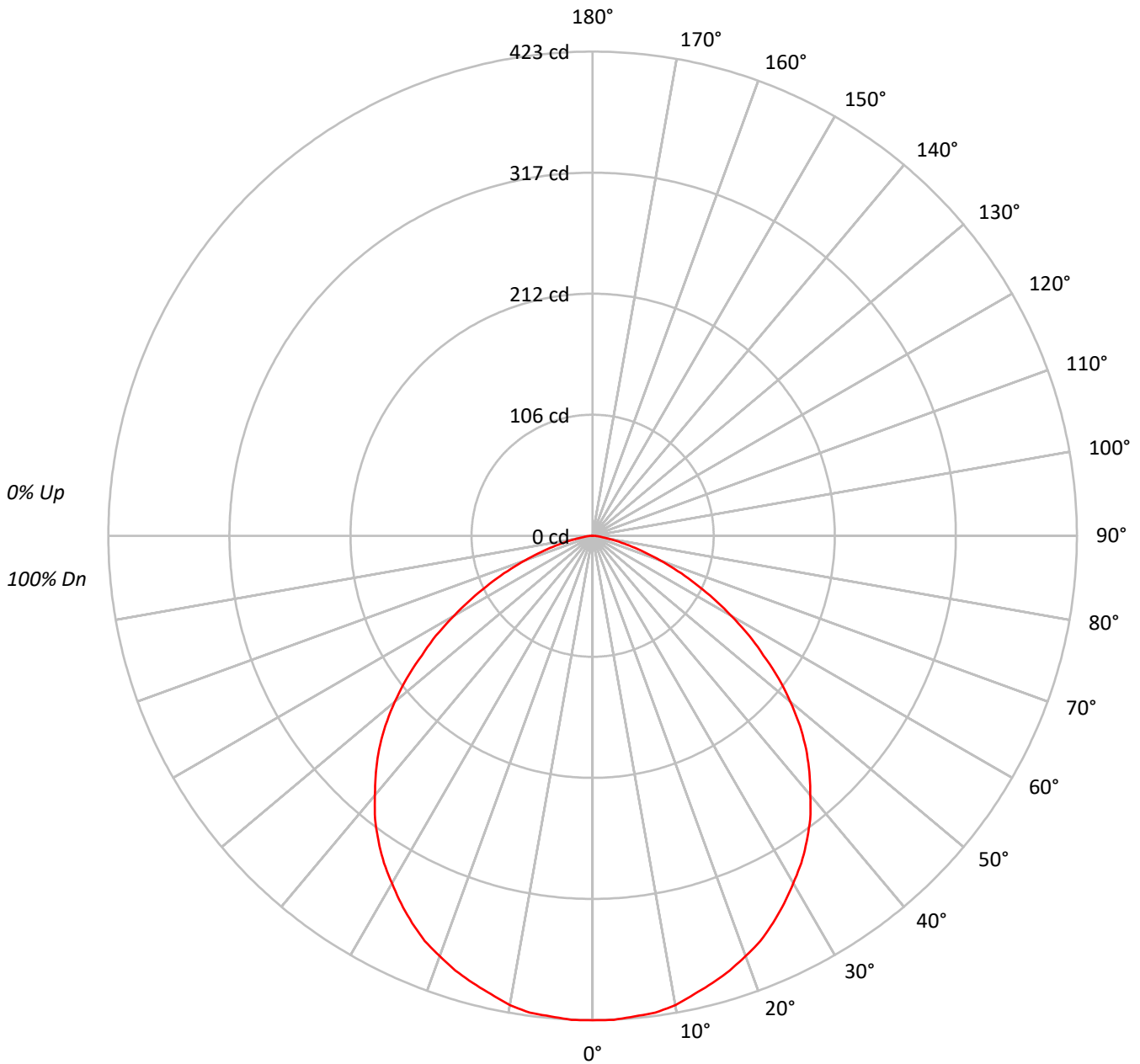
Lumens per Lamp: N/A
Luminaire Lumens: 1036.5 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	52004
5°	51981
10°	51945
15°	51447
20°	51079
25°	50575
30°	49722
35°	48892
40°	47439
45°	45833
50°	43099
55°	39004
60°	34276
65°	28837
70°	22522
75°	15806
80°	8914
85°	6061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	3.9
10°-20°	114.2	11.0
20°-30°	171.8	16.6
30°-40°	203.6	19.6
40°-50°	202.6	19.5
50°-60°	163.3	15.8
60°-70°	98.8	9.5
70°-80°	36.7	3.5
80°-90°	5.4	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°	326.1	31.5
0°-40°	529.7	51.1
0°-60°	895.6	86.4
0°-90°	1036.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	423	
5°	422	40
15°	404	114
25°	373	172
35°	326	204
45°	264	203
55°	182	163
65°	99	99
75°	33	37
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	423.3
2.5°	423.3
5°	421.5
7.5°	420.2
10°	416.4
12.5°	410.2
15°	404.5
17.5°	398.3
20°	390.7
22.5°	383.2
25°	373.1
27.5°	362.3
30°	350.5
32.5°	339.2
35°	326.0
37.5°	312.2
40°	295.8
42.5°	280.2
45°	263.8
47.5°	245.6
50°	225.5
52.5°	204.8
55°	182.1
57.5°	162.1
60°	139.5
62.5°	119.3
65°	99.2
67.5°	80.4
70°	62.7
72.5°	47.1
75°	33.3
77.5°	21.4
80°	12.6
82.5°	7.5
85°	4.3
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)