

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: P843367

Luminaire Tested: **LD4C15DE010B2750 EU4C15B30 4LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843367
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 EU4C15B30 4LBCSMMS
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

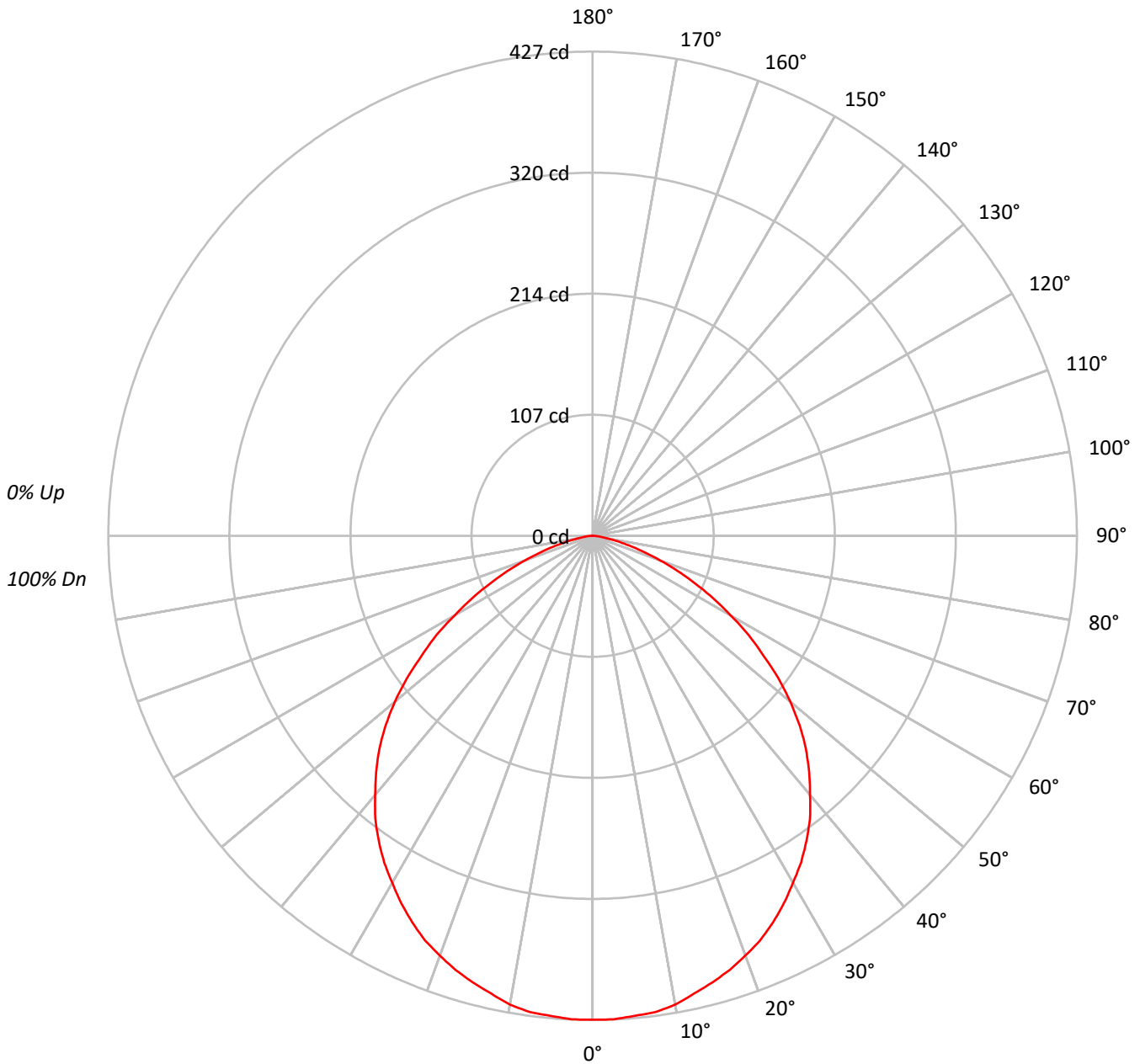
Lumens per Lamp: N/A
Luminaire Lumens: 1045.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	52434
5°	52412
10°	52382
15°	51867
20°	51498
25°	50995
30°	50133
35°	49297
40°	47840
45°	46215
50°	43462
55°	39325
60°	34546
65°	29099
70°	22701
75°	15901
80°	8985
85°	6061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	3.9
10°-20°	115.1	11.0
20°-30°	173.2	16.6
30°-40°	205.3	19.6
40°-50°	204.3	19.5
50°-60°	164.7	15.8
60°-70°	99.6	9.5
70°-80°	37.0	3.5
80°-90°	5.5	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°	328.7	31.5
0°-40°	534.0	51.1
0°-60°	903.0	86.4
0°-90°	1045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	427	
5°	425	40
15°	408	115
25°	376	173
35°	329	205
45°	266	204
55°	184	165
65°	100	100
75°	34	37
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	426.8
2.5°	426.8
5°	425.0
7.5°	423.7
10°	419.9
12.5°	413.5
15°	407.8
17.5°	401.5
20°	393.9
22.5°	386.2
25°	376.2
27.5°	365.3
30°	353.4
32.5°	341.9
35°	328.7
37.5°	314.8
40°	298.3
42.5°	282.5
45°	266.0
47.5°	247.6
50°	227.4
52.5°	206.5
55°	183.6
57.5°	163.4
60°	140.6
62.5°	120.4
65°	100.1
67.5°	81.0
70°	63.2
72.5°	47.5
75°	33.5
77.5°	21.6
80°	12.7
82.5°	7.6
85°	4.3
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)