

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: P843358

Luminaire Tested: **LD4C15DE010B2750 EU4C15B27 4LBMH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843358
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: LD4C15DE010B2750 EU4C15B27 4LBMH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

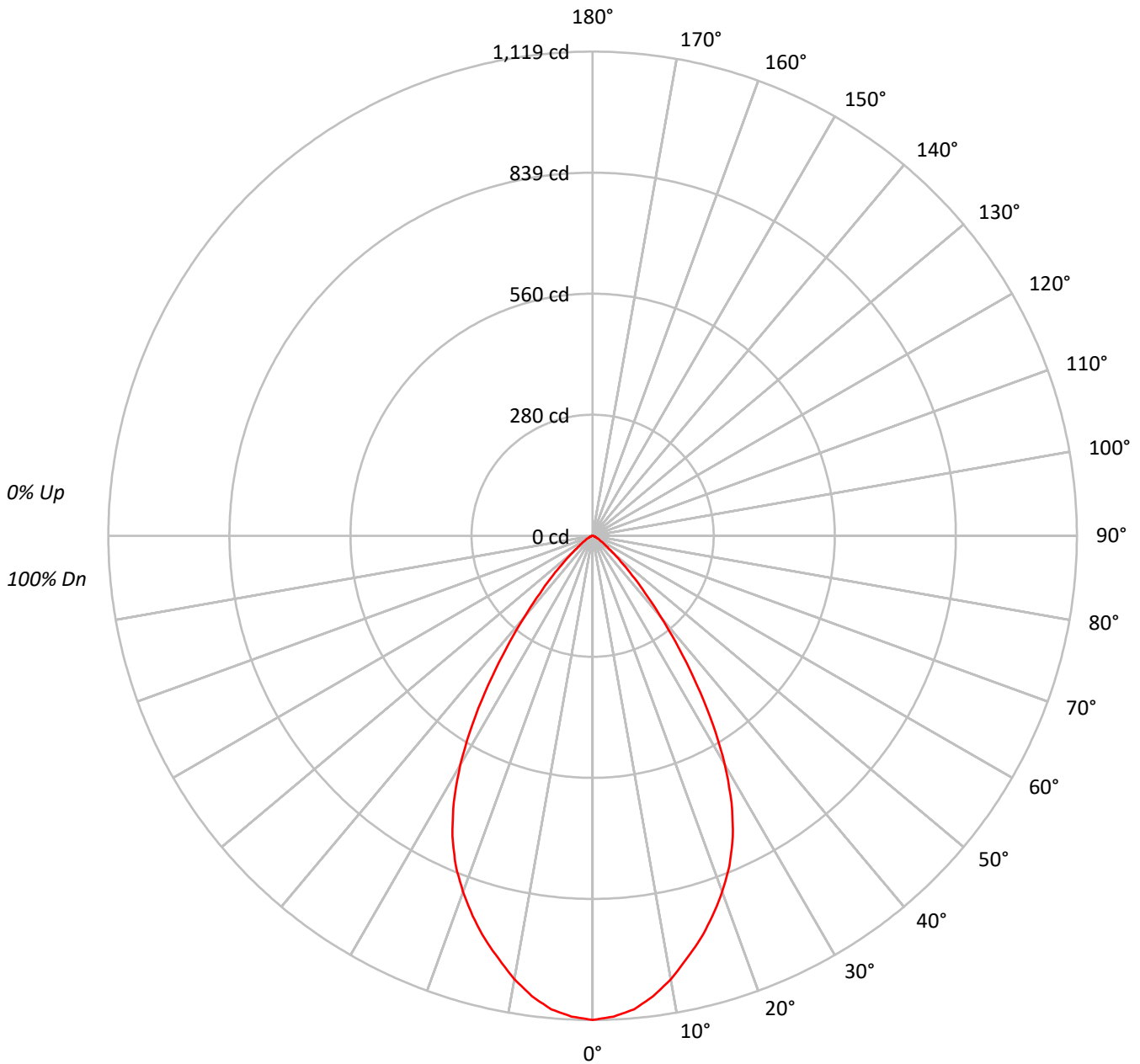
Lumens per Lamp: N/A
Luminaire Lumens: 1128.5 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79				79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73				73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67				67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62				62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58				58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54				54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50				50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47				47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	137473
5°	135482
10°	129813
15°	122609
20°	114448
25°	103902
30°	86733
35°	62840
40°	39340
45°	22499
50°	11716
55°	6576
60°	4177
65°	2500
70°	1832
75°	807
80°	1203
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	9.1
10°-20°	270.1	23.9
20°-30°	347.1	30.8
30°-40°	261.2	23.1
40°-50°	104.9	9.3
50°-60°	29.8	2.6
60°-70°	9.5	0.8
70°-80°	2.7	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°	720.2	63.8
0°-40°	981.4	87.0
0°-60°	1116.1	98.9
0°-90°	1128.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1119	
5°	1099	103
15°	964	270
25°	766	347
35°	419	261
45°	130	105
55°	31	30
65°	9	9
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1119.0
2.5°	1112.2
5°	1098.6
7.5°	1073.0
10°	1040.6
12.5°	1001.5
15°	964.0
17.5°	921.4
20°	875.4
22.5°	826.0
25°	766.5
27.5°	694.9
30°	611.4
32.5°	517.7
35°	419.0
37.5°	327.0
40°	245.3
42.5°	180.5
45°	129.5
47.5°	88.6
50°	61.3
52.5°	42.6
55°	30.7
57.5°	22.1
60°	17.0
62.5°	12.0
65°	8.6
67.5°	6.8
70°	5.1
72.5°	3.4
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)