

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: P843309

Luminaire Tested: **LD4C10DE010B2750 EU4C10B30 4LBWLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P843309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C10DE010B2750 EU4C10B30 4LBWLI  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

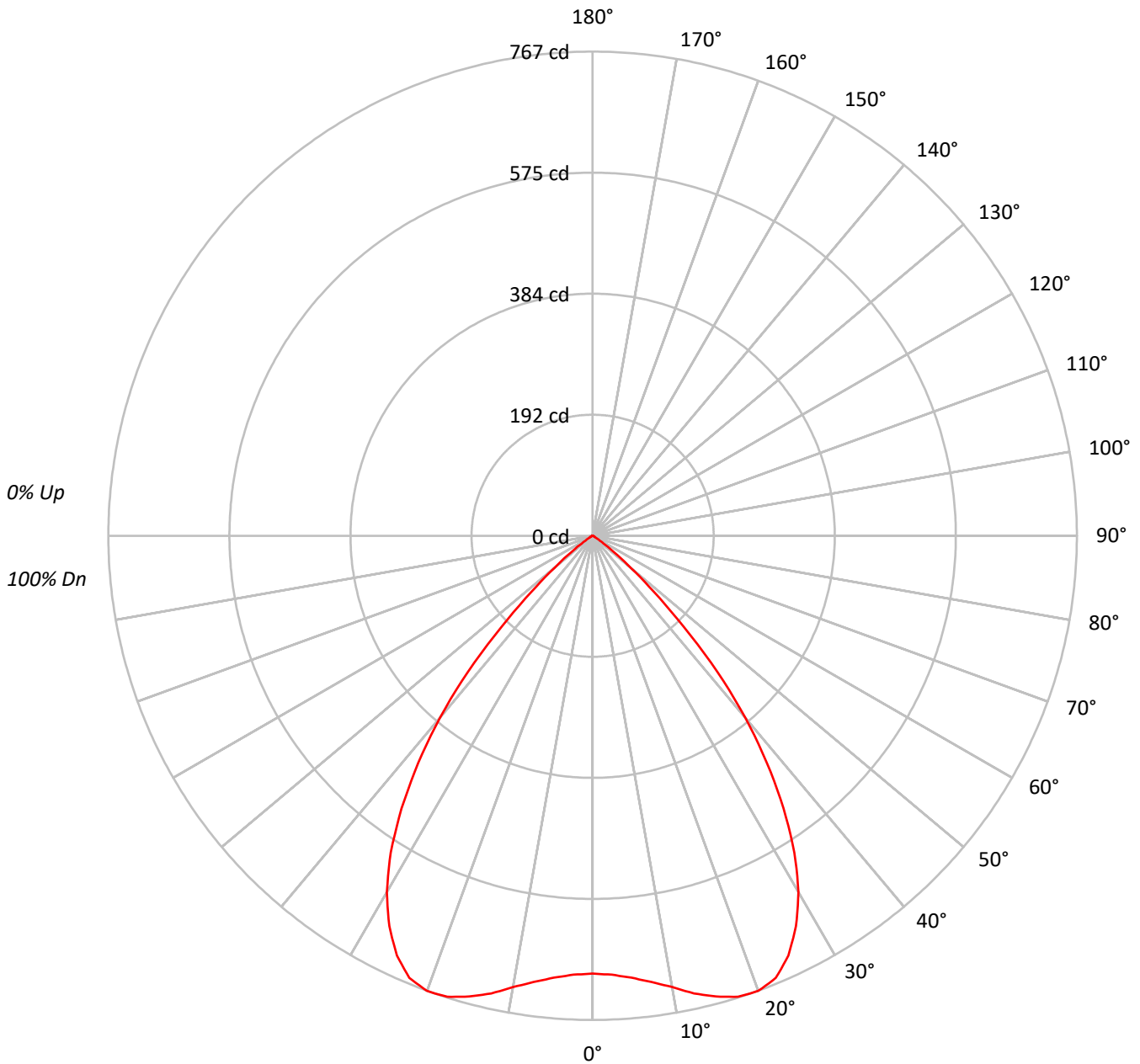
Lumens per Lamp: N/A  
Luminaire Lumens: 1131.7 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.3  
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70			70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49			49
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45			45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42			42

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	85187
5°	86634
10°	90555
15°	96103
20°	100315
25°	99442
30°	92478
35°	79113
40°	60285
45°	35356
50°	15099
55°	4434
60°	1278
65°	756
70°	467
75°	617
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.8	6.0
10°-20°	214.0	18.9
20°-30°	333.8	29.5
30°-40°	324.8	28.7
40°-50°	162.3	14.3
50°-60°	25.1	2.2
60°-70°	3.0	0.3
70°-80°	0.9	0.1
80°-90°	0.0	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°	615.6	54.4
0°-40°	940.4	83.1
0°-60°	1127.8	99.7
0°-90°	1131.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	693	
5°	702	68
15°	756	214
25°	734	334
35°	528	325
45°	204	162
55°	21	25
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	693.4
2.5°	695.9
5°	702.5
7.5°	712.8
10°	725.9
12.5°	742.7
15°	755.6
17.5°	765.9
20°	767.3
22.5°	758.2
25°	733.6
27.5°	697.3
30°	651.9
32.5°	594.9
35°	527.5
37.5°	453.6
40°	375.9
42.5°	293.0
45°	203.5
47.5°	130.9
50°	79.0
52.5°	42.7
55°	20.7
57.5°	9.1
60°	5.2
62.5°	3.9
65°	2.6
67.5°	2.6
70°	1.3
72.5°	1.3
75°	1.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)