

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: P843515

Luminaire Tested: **LD4C25DE010B2750 EU4C25B30 4LBNLI**

Issue Date: 2/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P843515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C25DE010B2750 EU4C25B30 4LBNLI  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

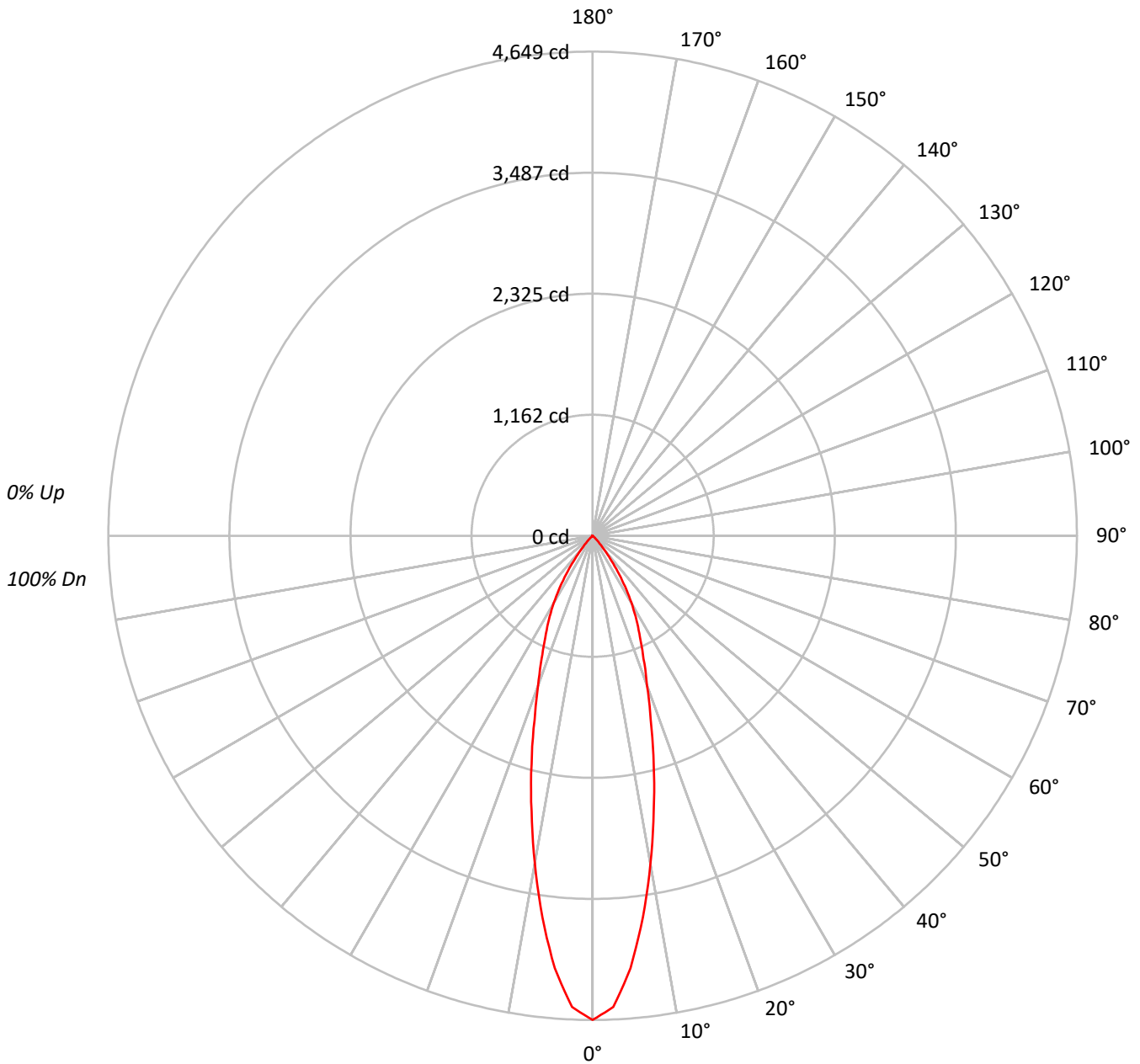
Lumens per Lamp: N/A  
Luminaire Lumens: 1806.4 lumens  
Efficiency: N/A  
Efficacy: 60.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90			90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77			77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73			73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69			69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66			66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63			63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61			61

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

	0°
0°	571109
5°	513948
10°	398410
15°	288384
20°	199676
25°	145571
30°	105770
35°	62585
40°	26317
45°	8218
50°	1070
55°	578
60°	663
65°	785
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.3	20.3
10°-20°	627.2	34.7
20°-30°	498.5	27.6
30°-40°	263.9	14.6
40°-50°	45.5	2.5
50°-60°	3.4	0.2
60°-70°	1.7	0.1
70°-80°	0.0	0.0
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°	1492.0	82.6
0°-40°	1755.9	97.2
0°-60°	1804.7	99.9
0°-90°	1806.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1806.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4649	
5°	4168	366
15°	2267	627
25°	1074	498
35°	417	264
45°	47	45
55°	3	3
65°	3	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4648.7
2.5°	4529.0
5°	4167.5
7.5°	3694.5
10°	3193.7
12.5°	2709.7
15°	2267.4
17.5°	1855.6
20°	1527.3
22.5°	1276.9
25°	1073.9
27.5°	909.8
30°	745.6
32.5°	578.6
35°	417.3
37.5°	275.5
40°	164.1
42.5°	94.7
45°	47.3
47.5°	16.7
50°	5.6
52.5°	5.6
55°	2.7
57.5°	2.7
60°	2.7
62.5°	2.7
65°	2.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)