

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: P843493

Luminaire Tested: **LD4C25DE010B2750 EU4C25B27 4LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843493  
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: LD4C25DE010B2750 EU4C25B27 4LBCSMMS  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

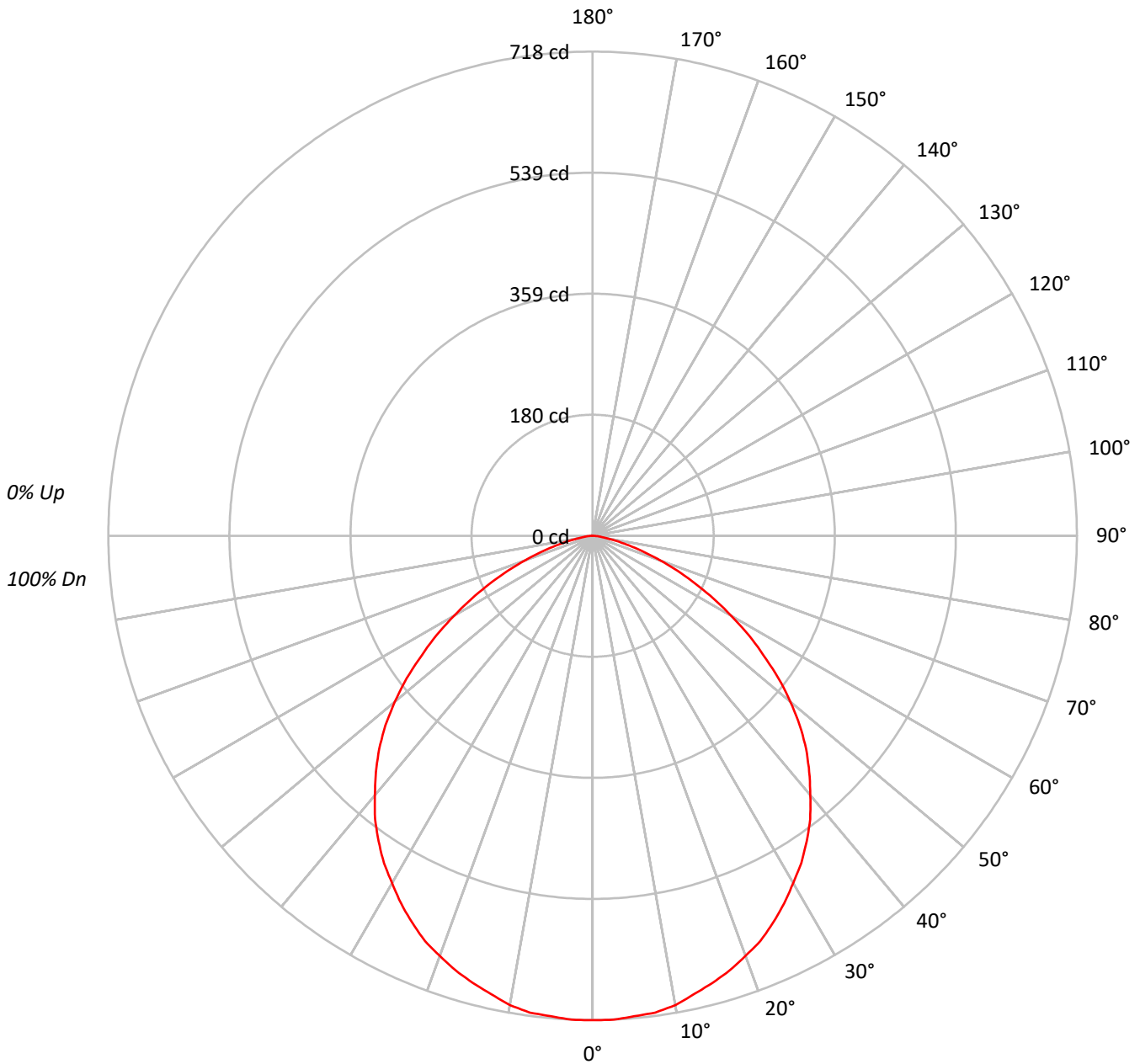
Lumens per Lamp: N/A  
Luminaire Lumens: 1758.9 lumens  
Efficiency: N/A  
Efficacy: 59.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	88246
5°	88200
10°	88160
15°	87314
20°	86679
25°	85819
30°	84364
35°	82967
40°	80524
45°	77784
50°	73163
55°	66184
60°	58159
65°	48953
70°	38255
75°	26819
80°	15140
85°	10431



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.1	3.9
10°-20°	193.8	11.0
20°-30°	291.5	16.6
30°-40°	345.5	19.6
40°-50°	343.8	19.5
50°-60°	277.2	15.8
60°-70°	167.6	9.5
70°-80°	62.3	3.5
80°-90°	9.2	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°	553.3	31.5
0°-40°	898.8	51.1
0°-60°	1519.8	86.4
0°-90°	1758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	718	
5°	715	68
15°	686	194
25°	633	291
35°	553	345
45°	448	344
55°	309	277
65°	168	168
75°	56	62
85°	7	9
90°	0	



TEST NUMBER: P843493

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	718.3
2.5°	718.3
5°	715.2
7.5°	713.1
10°	706.7
12.5°	696.0
15°	686.5
17.5°	675.8
20°	663.0
22.5°	650.2
25°	633.1
27.5°	614.9
30°	594.7
32.5°	575.6
35°	553.2
37.5°	529.8
40°	502.1
42.5°	475.4
45°	447.7
47.5°	416.7
50°	382.8
52.5°	347.4
55°	309.0
57.5°	275.1
60°	236.7
62.5°	202.5
65°	168.4
67.5°	136.3
70°	106.5
72.5°	80.0
75°	56.5
77.5°	36.3
80°	21.4
82.5°	12.8
85°	7.4
87.5°	3.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)