

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: P843526

Luminaire Tested: **LD4C25DE010B2750 EU4C25B35 4LBMH**

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P843526  
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: LD4C25DE010B2750 EU4C25B35 4LBMH  
Description: 4in Downlight with BioUp LEDs  
Light Source: -  
Ballast/Driver:

**Summary**

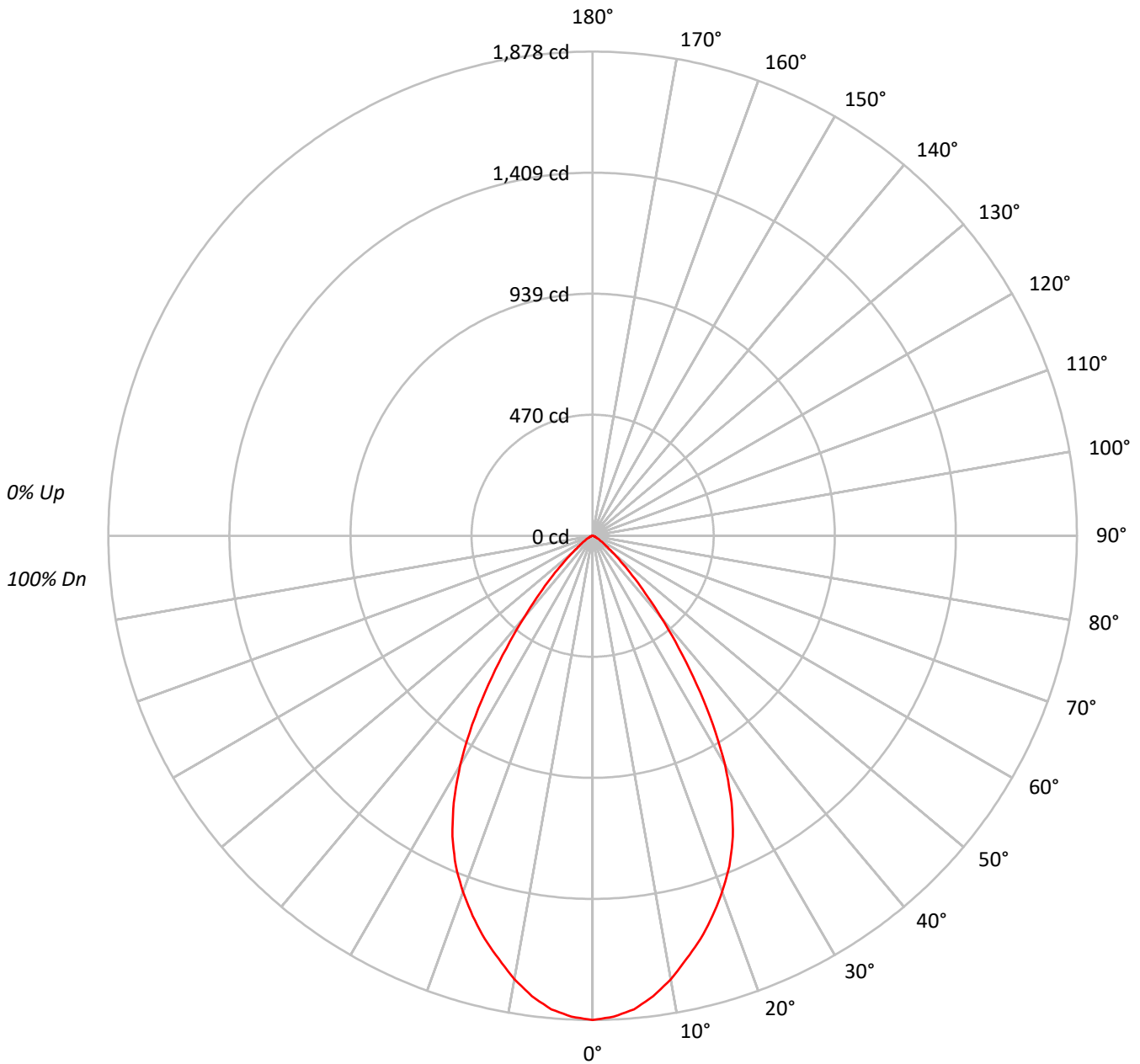
Lumens per Lamp: N/A  
Luminaire Lumens: 1894.2 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P843526

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B35 4LBMH

### Luminous Intensity Polar Plot





TEST NUMBER: P843526

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B35 4LBMH

**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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

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

	0°
0°	230756
5°	227395
10°	217899
15°	205802
20°	192106
25°	174390
30°	145590
35°	105478
40°	66026
45°	37737
50°	19667
55°	11031
60°	7027
65°	4157
70°	3089
75°	1377
80°	2052
85°	0



TEST NUMBER: P843526

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B35 4LBMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.8	9.1
10°-20°	453.4	23.9
20°-30°	582.7	30.8
30°-40°	438.4	23.1
40°-50°	176.1	9.3
50°-60°	50.1	2.6
60°-70°	15.8	0.8
70°-80°	4.5	0.2
80°-90°	0.4	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°	1208.9	63.8
0°-40°	1647.4	87.0
0°-60°	1873.5	98.9
0°-90°	1894.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1878	
5°	1844	173
15°	1618	453
25°	1286	583
35°	703	438
45°	217	176
55°	52	50
65°	14	16
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P843526

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B35 4LBMH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1878.3
2.5°	1866.8
5°	1843.9
7.5°	1801.0
10°	1746.7
12.5°	1681.0
15°	1618.1
17.5°	1546.6
20°	1469.4
22.5°	1386.6
25°	1286.5
27.5°	1166.4
30°	1026.3
32.5°	869.1
35°	703.3
37.5°	548.9
40°	411.7
42.5°	303.0
45°	217.2
47.5°	148.7
50°	102.9
52.5°	71.5
55°	51.5
57.5°	37.2
60°	28.6
62.5°	20.0
65°	14.3
67.5°	11.4
70°	8.6
72.5°	5.7
75°	2.9
77.5°	2.9
80°	2.9
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)