

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: P843498

Luminaire Tested: **LD4C25DE010B2750 EU4C25B27 4LBMH**

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-08
Report Number: P843498
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 EU4C25B27 4LBMH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

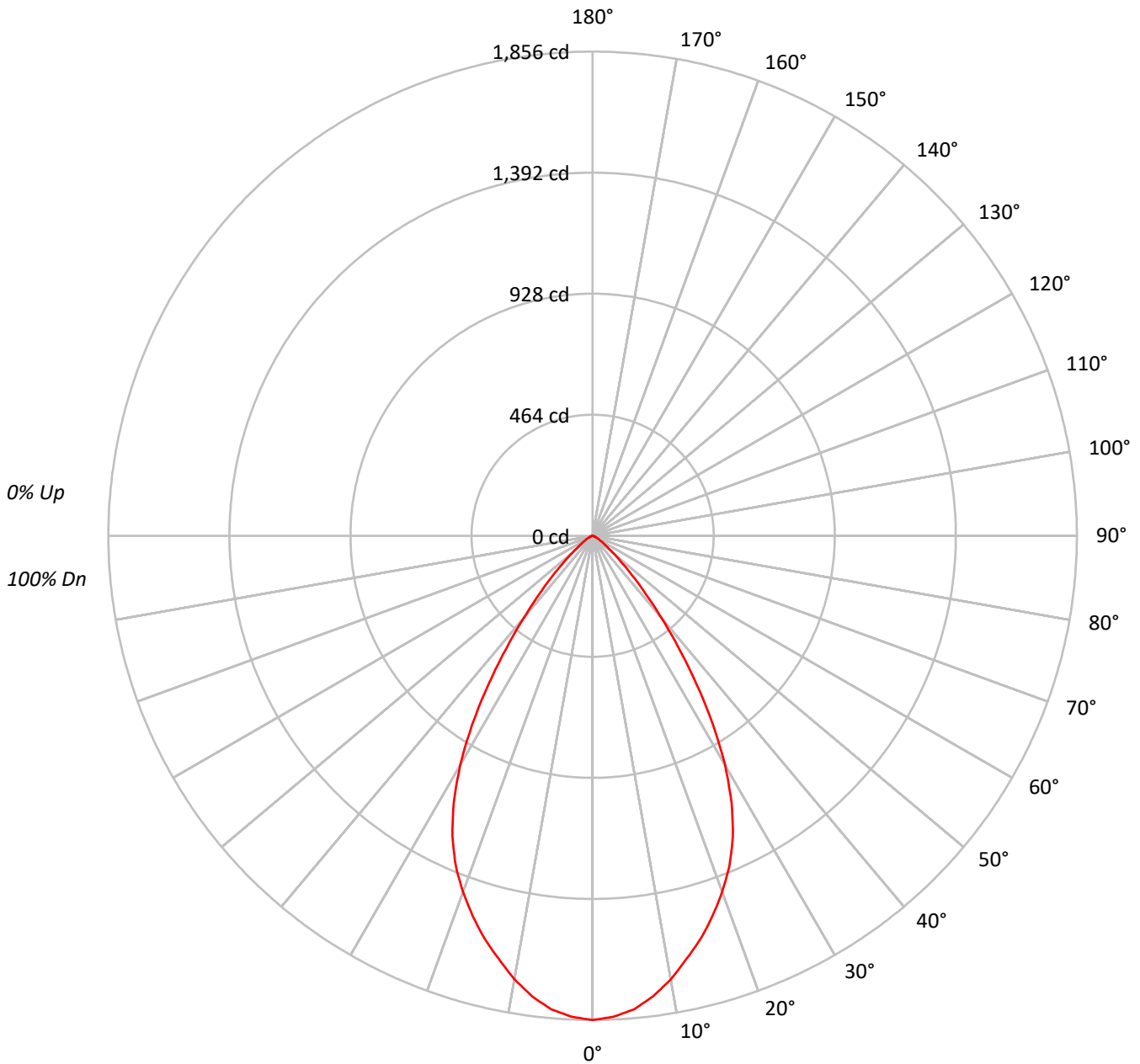
Lumens per Lamp: N/A
Luminaire Lumens: 1872.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843498

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B27 4LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P843498

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B27 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
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°	228053
5°	224731
10°	215341
15°	203385
20°	189845
25°	172343
30°	143888
35°	104249
40°	65256
45°	37302
50°	19438
55°	10902
60°	6929
65°	4128
70°	3053
75°	1377
80°	2052
85°	0



TEST NUMBER: P843498

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B27 4LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	9.1
10°-20°	448.1	23.9
20°-30°	575.9	30.8
30°-40°	433.3	23.1
40°-50°	174.0	9.3
50°-60°	49.4	2.6
60°-70°	15.7	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°	1194.7	63.8
0°-40°	1628.0	87.0
0°-60°	1851.5	98.9
0°-90°	1872.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1856	
5°	1822	171
15°	1599	448
25°	1271	576
35°	695	433
45°	215	174
55°	51	49
65°	14	16
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P843498

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B27 4LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1856.3
2.5°	1844.9
5°	1822.3
7.5°	1779.9
10°	1726.2
12.5°	1661.3
15°	1599.1
17.5°	1528.5
20°	1452.1
22.5°	1370.3
25°	1271.4
27.5°	1152.7
30°	1014.3
32.5°	858.9
35°	695.1
37.5°	542.5
40°	406.9
42.5°	299.5
45°	214.7
47.5°	147.0
50°	101.7
52.5°	70.6
55°	50.9
57.5°	36.7
60°	28.2
62.5°	19.8
65°	14.2
67.5°	11.3
70°	8.5
72.5°	5.6
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)