

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: P843518

Luminaire Tested: **LD4C25DE010B2750 EU4C25B30 4LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25DE010B2750 EU4C25B30 4LBWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

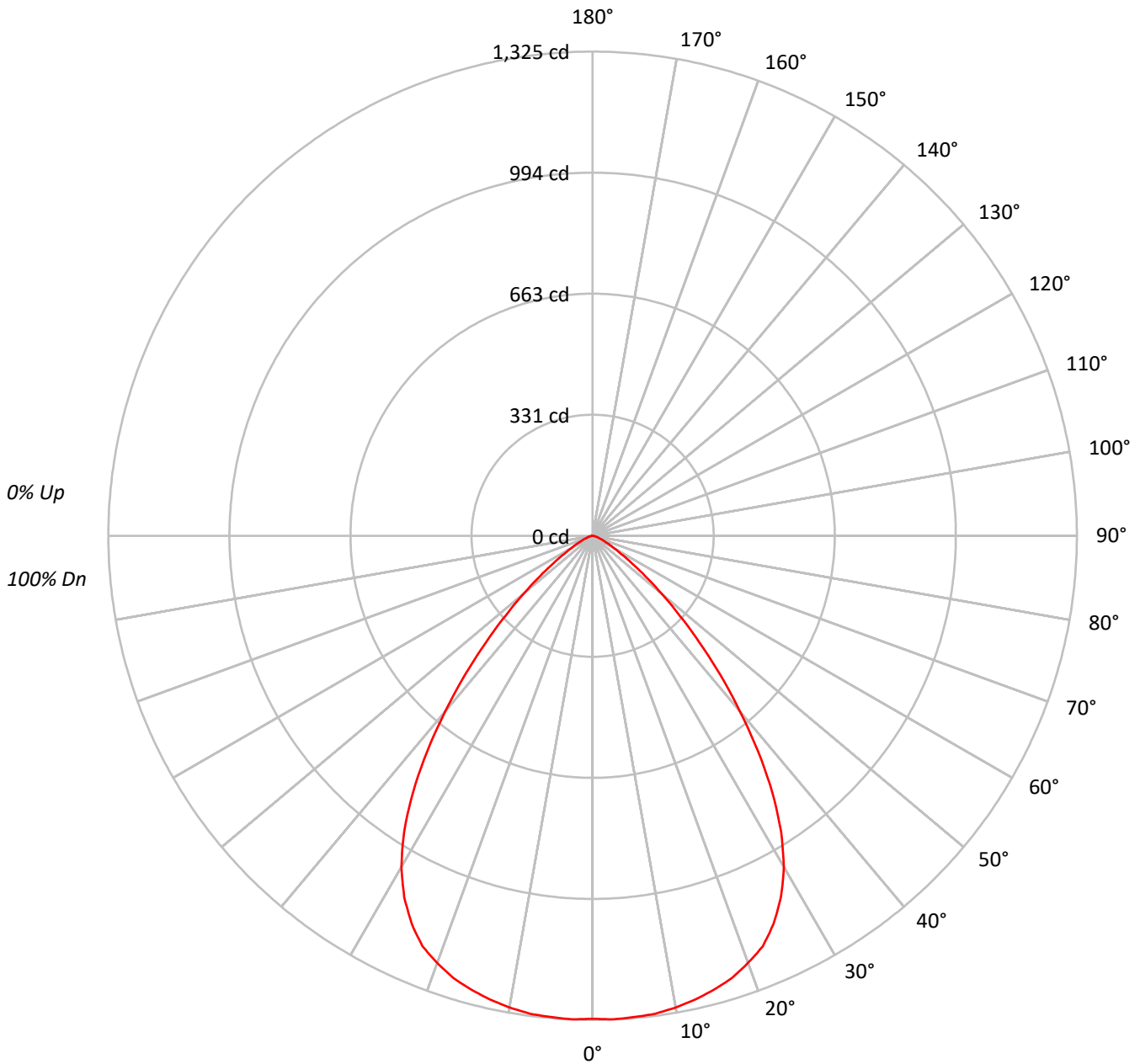
Lumens per Lamp: N/A
Luminaire Lumens: 2050.7 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843518

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B30 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P843518

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B30 4LBWH

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			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	162388
5°	163008
10°	163508
15°	163525
20°	162625
25°	158801
30°	148427
35°	128530
40°	100410
45°	72050
50°	46788
55°	28016
60°	16389
65°	10523
70°	7004
75°	5269
80°	3962
85°	0



TEST NUMBER: P843518

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B30 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	6.1
10°-20°	362.7	17.7
20°-30°	535.2	26.1
30°-40°	528.2	25.8
40°-50°	323.2	15.8
50°-60°	123.9	6.0
60°-70°	38.7	1.9
70°-80°	11.4	0.6
80°-90°	1.5	0.1
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°	1023.8	49.9
0°-40°	1552.0	75.7
0°-60°	1999.1	97.5
0°-90°	2050.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1322	
5°	1322	126
15°	1286	363
25°	1172	535
35°	857	528
45°	415	323
55°	131	124
65°	36	39
75°	11	11
85°	0	1
90°	0	



TEST NUMBER: P843518

CATALOG NUMBER: LD4C25DE010B2750 EU4C25B30 4LBWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1321.8
2.5°	1324.6
5°	1321.8
7.5°	1319.1
10°	1310.7
12.5°	1299.5
15°	1285.7
17.5°	1268.9
20°	1243.9
22.5°	1216.1
25°	1171.5
27.5°	1115.8
30°	1046.3
32.5°	960.1
35°	857.0
37.5°	743.0
40°	626.1
42.5°	517.6
45°	414.7
47.5°	322.7
50°	244.8
52.5°	181.0
55°	130.8
57.5°	91.8
60°	66.7
62.5°	50.1
65°	36.2
67.5°	27.8
70°	19.5
72.5°	14.0
75°	11.1
77.5°	5.6
80°	5.6
82.5°	2.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)