

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: P843543

Luminaire Tested: **LD4C25DE010B40 EU4C25B40 4LBNLI**

Issue Date: 2/16/2023

Test Information

Test Method: LM-79-08
Report Number: P843543
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: LD4C25DE010B40 EU4C25B40 4LBNLI
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

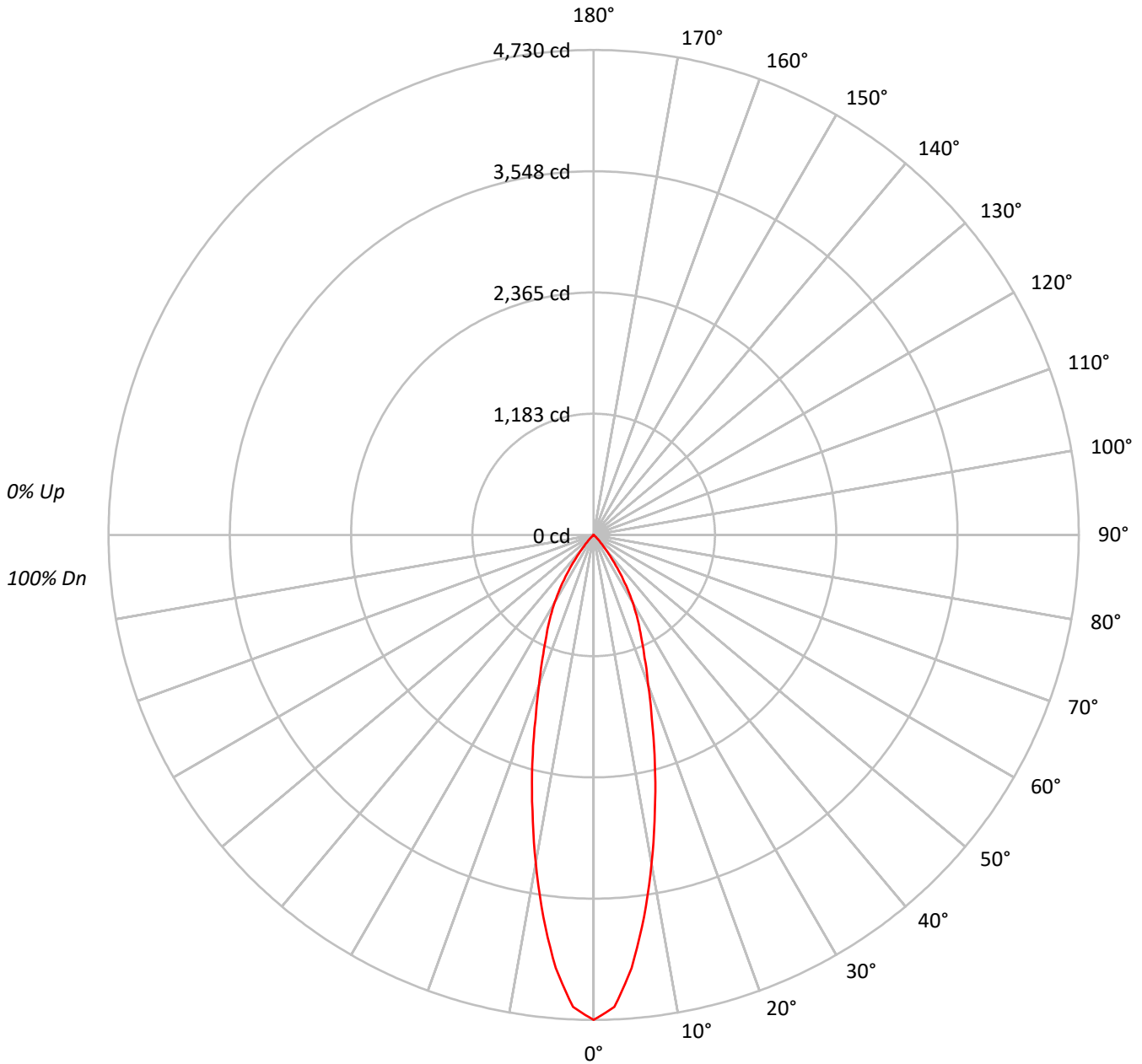
Lumens per Lamp: N/A
Luminaire Lumens: 1838.2 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
RC	80									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°	581146
5°	522975
10°	405421
15°	293434
20°	203180
25°	148120
30°	107614
35°	63680
40°	26782
45°	8357
50°	1089
55°	621
60°	713
65°	843
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.8	20.3
10°-20°	638.2	34.7
20°-30°	507.2	27.6
30°-40°	268.5	14.6
40°-50°	46.2	2.5
50°-60°	3.5	0.2
60°-70°	1.8	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°	1518.2	82.6
0°-40°	1786.7	97.2
0°-60°	1836.4	99.9
0°-90°	1838.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4730	
5°	4241	373
15°	2307	638
25°	1093	507
35°	425	268
45°	48	46
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4730.4
2.5°	4608.6
5°	4240.7
7.5°	3759.5
10°	3249.9
12.5°	2757.3
15°	2307.1
17.5°	1888.2
20°	1554.1
22.5°	1299.3
25°	1092.7
27.5°	925.7
30°	758.6
32.5°	588.8
35°	424.6
37.5°	280.3
40°	167.0
42.5°	96.2
45°	48.1
47.5°	17.0
50°	5.7
52.5°	5.7
55°	2.9
57.5°	2.9
60°	2.9
62.5°	2.9
65°	2.9
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)