

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: P858544

Luminaire Tested: **LD4C25W2N2050D010 4LBNLI_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2050D010 4LBNLI_3500K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBNLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

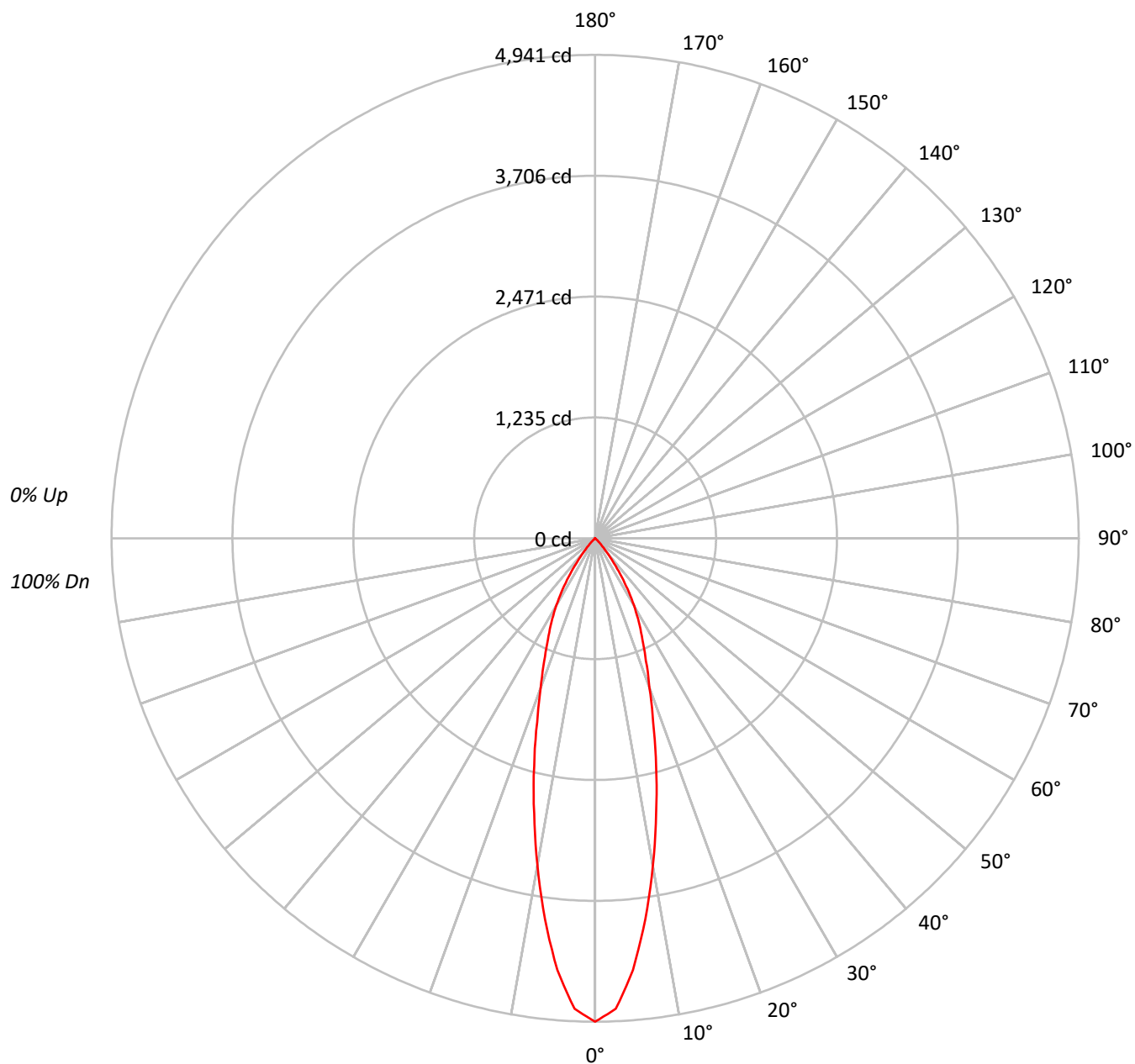
Lumens per Lamp: N/A
Luminaire Lumens: 1920.1 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): NR
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91
4	101	94	89	86	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	84	80	87	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	78	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	68	65	72	68	65		72	68	65		71
10	79	71	66	62	78	70	65	62	69	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	607019
5°	546246
10°	423459
15°	306496
20°	212227
25°	154721
30°	112423
35°	66530
40°	27985
45°	8722
50°	1128
55°	643
60°	737
65°	872
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.4	20.3
10°-20°	666.6	34.7
20°-30°	529.8	27.6
30°-40°	280.5	14.6
40°-50°	48.3	2.5
50°-60°	3.6	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°	1585.8	82.6
0°-40°	1866.3	97.2
0°-60°	1918.2	99.9
0°-90°	1920.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1920.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4941	
5°	4429	389
15°	2410	667
25°	1141	530
35°	444	280
45°	50	48
55°	3	4
65°	3	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4941.0
2.5°	4813.8
5°	4429.4
7.5°	3926.8
10°	3394.5
12.5°	2880.1
15°	2409.8
17.5°	1972.2
20°	1623.3
22.5°	1357.2
25°	1141.4
27.5°	966.9
30°	792.5
32.5°	615.0
35°	443.6
37.5°	292.8
40°	174.5
42.5°	100.6
45°	50.2
47.5°	17.8
50°	5.9
52.5°	5.9
55°	3.0
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0
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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)