

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: P858542

Luminaire Tested: **LD4C25W2N2050D010 4LBNLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858542
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_2700K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBNLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

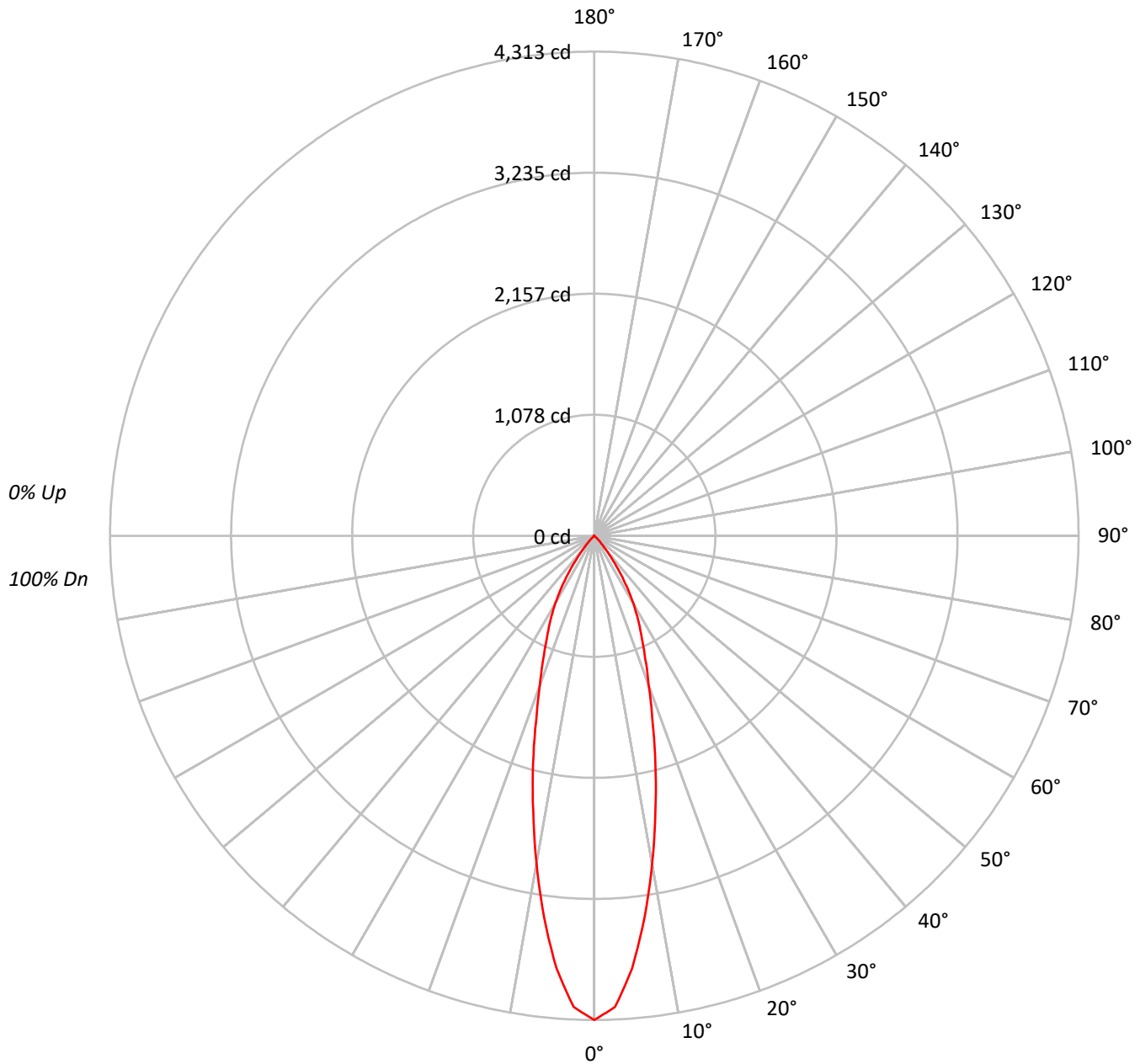
Lumens per Lamp: N/A
Luminaire Lumens: 1676.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	529879
5°	476827
10°	369655
15°	267551
20°	185256
25°	135052
30°	98138
35°	58071
40°	24425
45°	7610
50°	994
55°	557
60°	639
65°	756
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.9	20.3
10°-20°	581.9	34.7
20°-30°	462.5	27.6
30°-40°	244.8	14.6
40°-50°	42.2	2.5
50°-60°	3.2	0.2
60°-70°	1.6	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°	1384.3	82.6
0°-40°	1629.1	97.2
0°-60°	1674.4	99.9
0°-90°	1676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1676.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4313	
5°	3866	340
15°	2104	582
25°	996	462
35°	387	245
45°	44	42
55°	3	3
65°	3	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4313.1
2.5°	4202.0
5°	3866.5
7.5°	3427.8
10°	2963.2
12.5°	2514.0
15°	2103.6
17.5°	1721.6
20°	1417.0
22.5°	1184.7
25°	996.3
27.5°	844.0
30°	691.8
32.5°	536.9
35°	387.2
37.5°	255.6
40°	152.3
42.5°	87.8
45°	43.8
47.5°	15.5
50°	5.2
52.5°	5.2
55°	2.6
57.5°	2.6
60°	2.6
62.5°	2.6
65°	2.6
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)