

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: P858529

Luminaire Tested: **LD4C25W2N2050D010 4LBMLI_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2050D010 4LBMLI_2000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

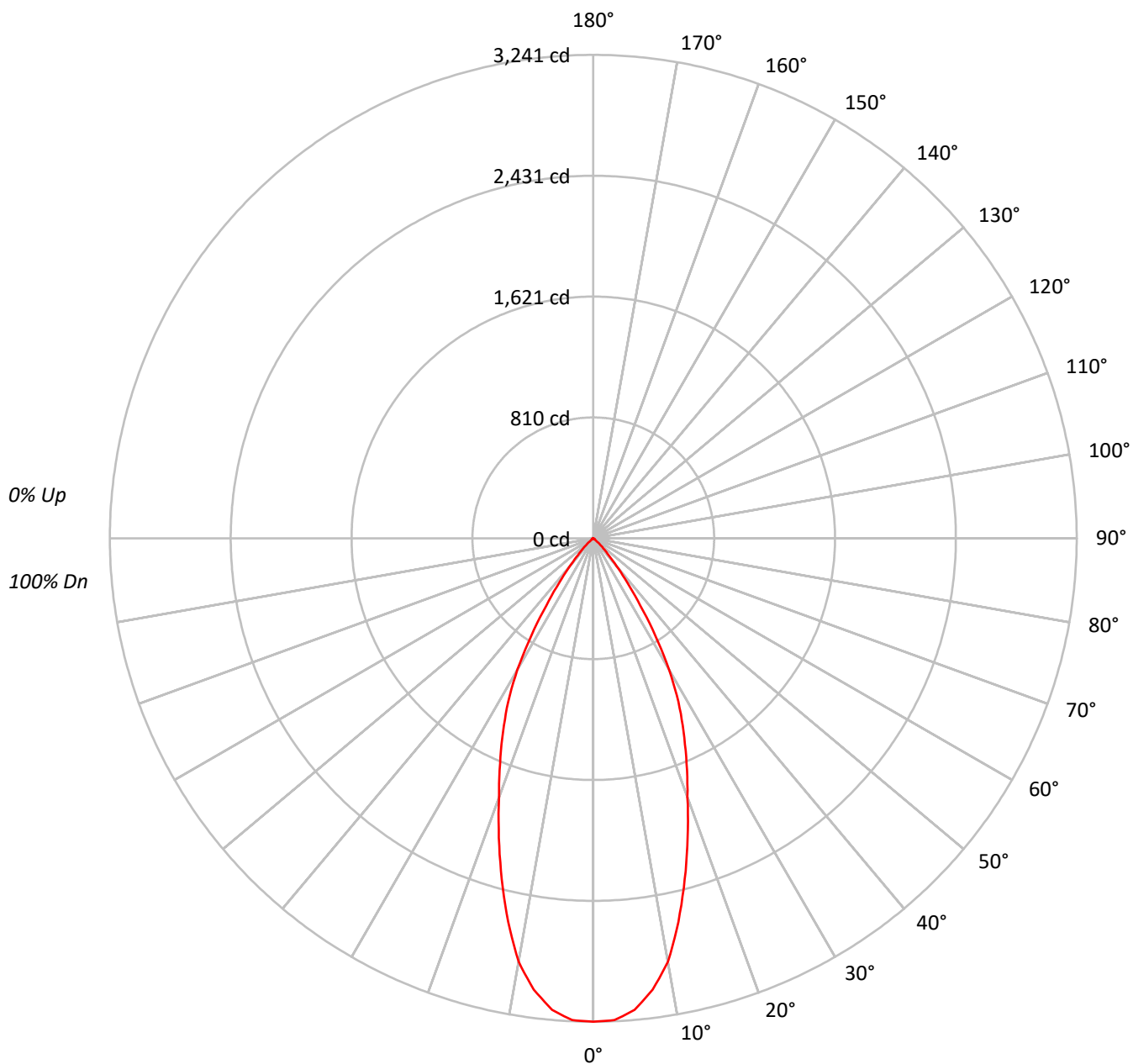
Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): NR
Input Current (A_{in}): 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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398193
5°	391426
10°	359650
15°	301192
20°	241303
25°	193883
30°	144327
35°	82457
40°	38698
45°	16436
50°	5237
55°	2656
60°	1843
65°	1453
70°	898
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.5	14.3
10°-20°	656.1	31.9
20°-30°	652.3	31.7
30°-40°	355.2	17.3
40°-50°	82.1	4.0
50°-60°	11.6	0.6
60°-70°	4.3	0.2
70°-80°	1.0	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°	1601.8	77.9
0°-40°	1957.1	95.2
0°-60°	2050.8	99.7
0°-90°	2056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3241	
5°	3174	293
15°	2368	656
25°	1430	652
35°	550	355
45°	95	82
55°	12	12
65°	5	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3241.2
2.5°	3233.7
5°	3174.0
7.5°	3052.1
10°	2883.0
12.5°	2634.3
15°	2368.1
17.5°	2104.4
20°	1845.7
22.5°	1634.3
25°	1430.3
27.5°	1236.3
30°	1017.4
32.5°	773.6
35°	549.8
37.5°	370.6
40°	241.3
42.5°	151.7
45°	94.6
47.5°	54.8
50°	27.4
52.5°	14.9
55°	12.4
57.5°	7.5
60°	7.5
62.5°	5.0
65°	5.0
67.5°	2.5
70°	2.5
72.5°	2.5
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)