

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: P858563

Luminaire Tested: **LD4C25W2N2050D010 4LBWLI_4000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER-P3
Issue Date: 11/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25W2N2050D010 4LBWLI_4000K
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

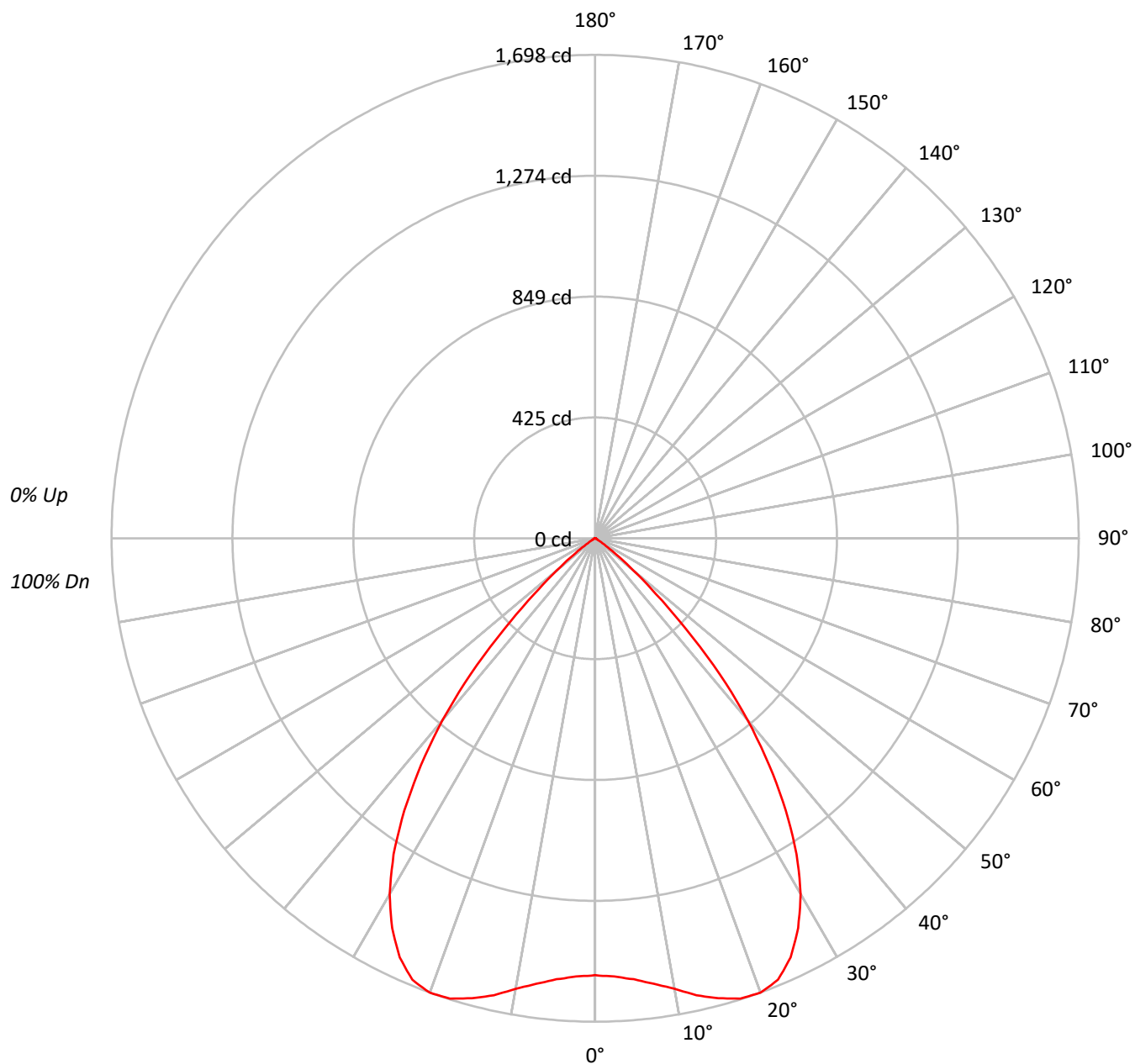
Lumens per Lamp: N/A
Luminaire Lumens: 2505.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59
9	69	59	52	48	68	58	52	47	57	51	47		56	51	47		55
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	188556
5°	191755
10°	200421
15°	212721
20°	222045
25°	220112
30°	204702
35°	175112
40°	133431
45°	78270
50°	33447
55°	9853
60°	2826
65°	1657
70°	1042
75°	1377
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	6.0
10°-20°	473.7	18.9
20°-30°	738.9	29.5
30°-40°	719.0	28.7
40°-50°	359.1	14.3
50°-60°	55.6	2.2
60°-70°	6.7	0.3
70°-80°	1.9	0.1
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°	1362.7	54.4
0°-40°	2081.7	83.1
0°-60°	2496.4	99.7
0°-90°	2505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1535	
5°	1555	150
15°	1672	474
25°	1624	739
35°	1168	719
45°	450	359
55°	46	56
65°	6	7
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1534.8
2.5°	1540.5
5°	1554.9
7.5°	1577.9
10°	1606.6
12.5°	1643.8
15°	1672.5
17.5°	1695.5
20°	1698.4
22.5°	1678.3
25°	1623.8
27.5°	1543.4
30°	1443.0
32.5°	1316.9
35°	1167.6
37.5°	1004.1
40°	832.0
42.5°	648.4
45°	450.5
47.5°	289.7
50°	175.0
52.5°	94.7
55°	46.0
57.5°	20.1
60°	11.5
62.5°	8.6
65°	5.7
67.5°	5.7
70°	2.9
72.5°	2.9
75°	2.9
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)