

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: P858727

Luminaire Tested: **LD4C35W2N2050D010 4LBWLI_2000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858727
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: LD4C35W2N2050D010 4LBWLI_2000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2000K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

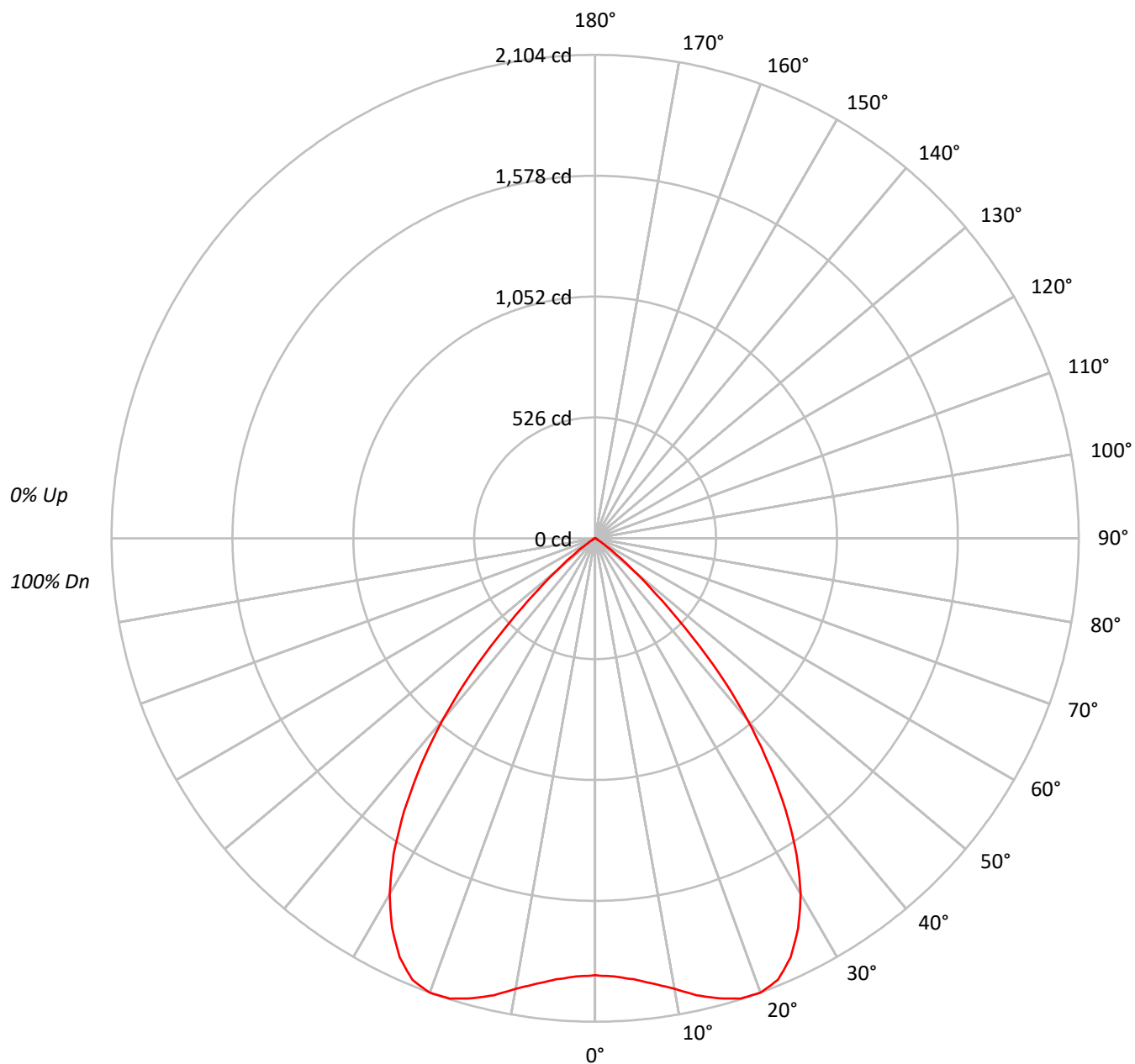
Lumens per Lamp: N/A
Luminaire Lumens: 3104.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 52.8
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°	233643
5°	237606
10°	248350
15°	263596
20°	275138
25°	272748
30°	253658
35°	217001
40°	165329
45°	96982
50°	41436
55°	12187
60°	3489
65°	2064
70°	1293
75°	1709
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	6.0
10°-20°	586.9	18.9
20°-30°	915.6	29.5
30°-40°	890.9	28.7
40°-50°	445.0	14.3
50°-60°	68.9	2.2
60°-70°	8.3	0.3
70°-80°	2.4	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°	1688.6	54.4
0°-40°	2579.5	83.1
0°-60°	3093.3	99.7
0°-90°	3104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3104.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1902	
5°	1927	186
15°	2072	587
25°	2012	916
35°	1447	891
45°	558	445
55°	57	69
65°	7	8
75°	4	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1901.8
2.5°	1908.9
5°	1926.7
7.5°	1955.2
10°	1990.8
12.5°	2036.9
15°	2072.5
17.5°	2101.0
20°	2104.5
22.5°	2079.6
25°	2012.1
27.5°	1912.5
30°	1788.1
32.5°	1631.8
35°	1446.9
37.5°	1244.1
40°	1030.9
42.5°	803.4
45°	558.2
47.5°	359.0
50°	216.8
52.5°	117.3
55°	56.9
57.5°	24.9
60°	14.2
62.5°	10.7
65°	7.1
67.5°	7.1
70°	3.6
72.5°	3.6
75°	3.6
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)