

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: P858729

Luminaire Tested: **LD4C35W2N2050D010 4LBWLI_3000K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858729
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_3000K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, W2N2050 LEDS
AND 4LBWLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

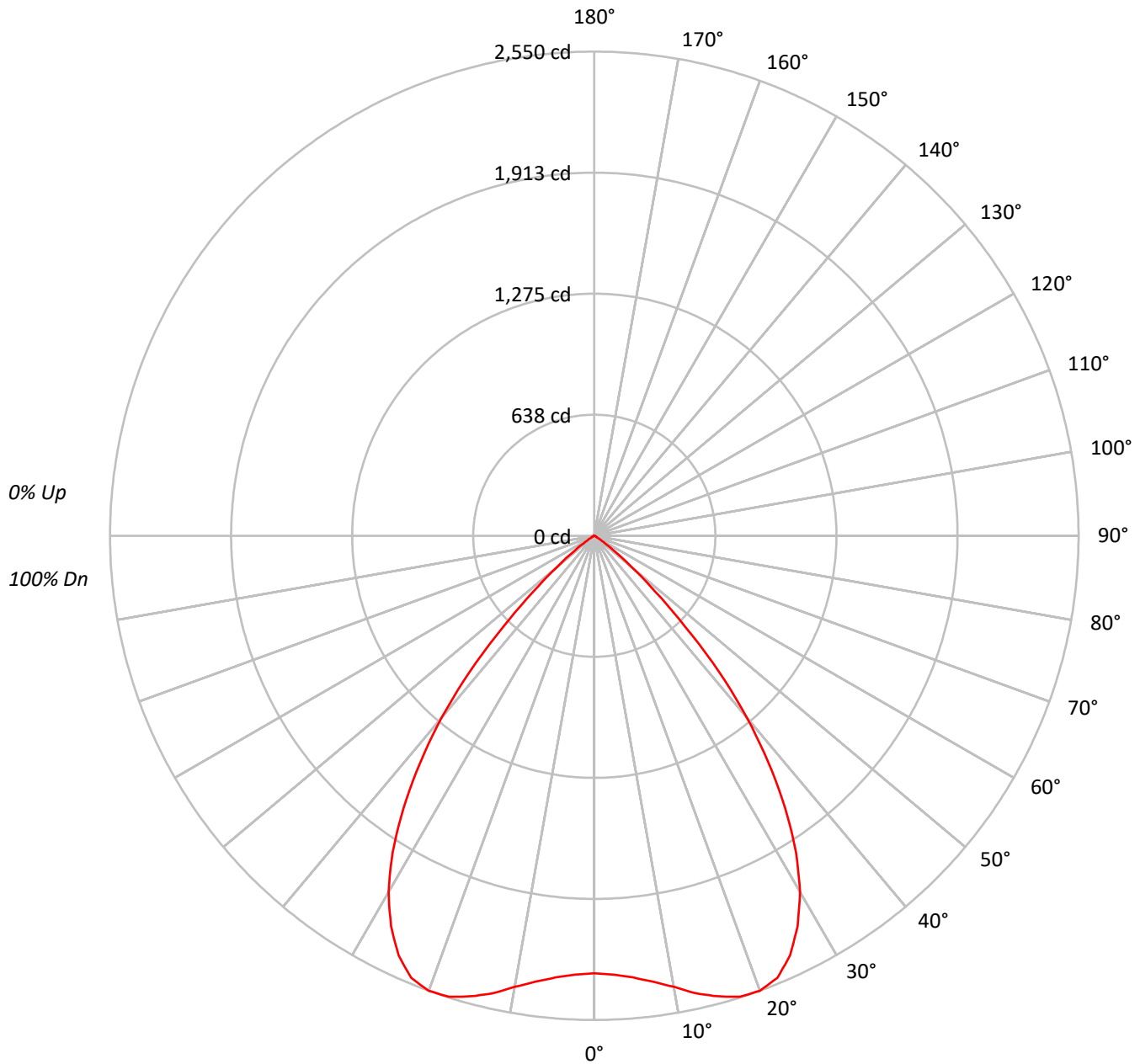
Lumens per Lamp: N/A
Luminaire Lumens: 3761.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	283091
5°	287897
10°	300919
15°	319393
20°	333382
25°	330480
30°	307337
35°	262924
40°	200323
45°	117501
50°	50209
55°	14779
60°	4251
65°	2500
70°	1545
75°	2041
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.3	6.0
10°-20°	711.2	18.9
20°-30°	1109.4	29.5
30°-40°	1079.5	28.7
40°-50°	539.2	14.3
50°-60°	83.5	2.2
60°-70°	10.1	0.3
70°-80°	2.8	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°	2046.0	54.4
0°-40°	3125.4	83.1
0°-60°	3748.1	99.7
0°-90°	3761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3761.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2304	
5°	2334	225
15°	2511	711
25°	2438	1109
35°	1753	1079
45°	676	539
55°	69	83
65°	9	10
75°	4	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2304.3
2.5°	2313.0
5°	2334.5
7.5°	2369.0
10°	2412.2
12.5°	2468.0
15°	2511.2
17.5°	2545.7
20°	2550.0
22.5°	2519.8
25°	2438.0
27.5°	2317.3
30°	2166.5
32.5°	1977.2
35°	1753.1
37.5°	1507.5
40°	1249.1
42.5°	973.5
45°	676.3
47.5°	435.0
50°	262.7
52.5°	142.1
55°	69.0
57.5°	30.2
60°	17.3
62.5°	12.9
65°	8.6
67.5°	8.6
70°	4.3
72.5°	4.3
75°	4.3
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)