

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: P858700

Luminaire Tested: **LD4C35W2N2050D010 4LBMLI_3500K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858700
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: LD4C35W2N2050D010 4LBMLI_3500K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

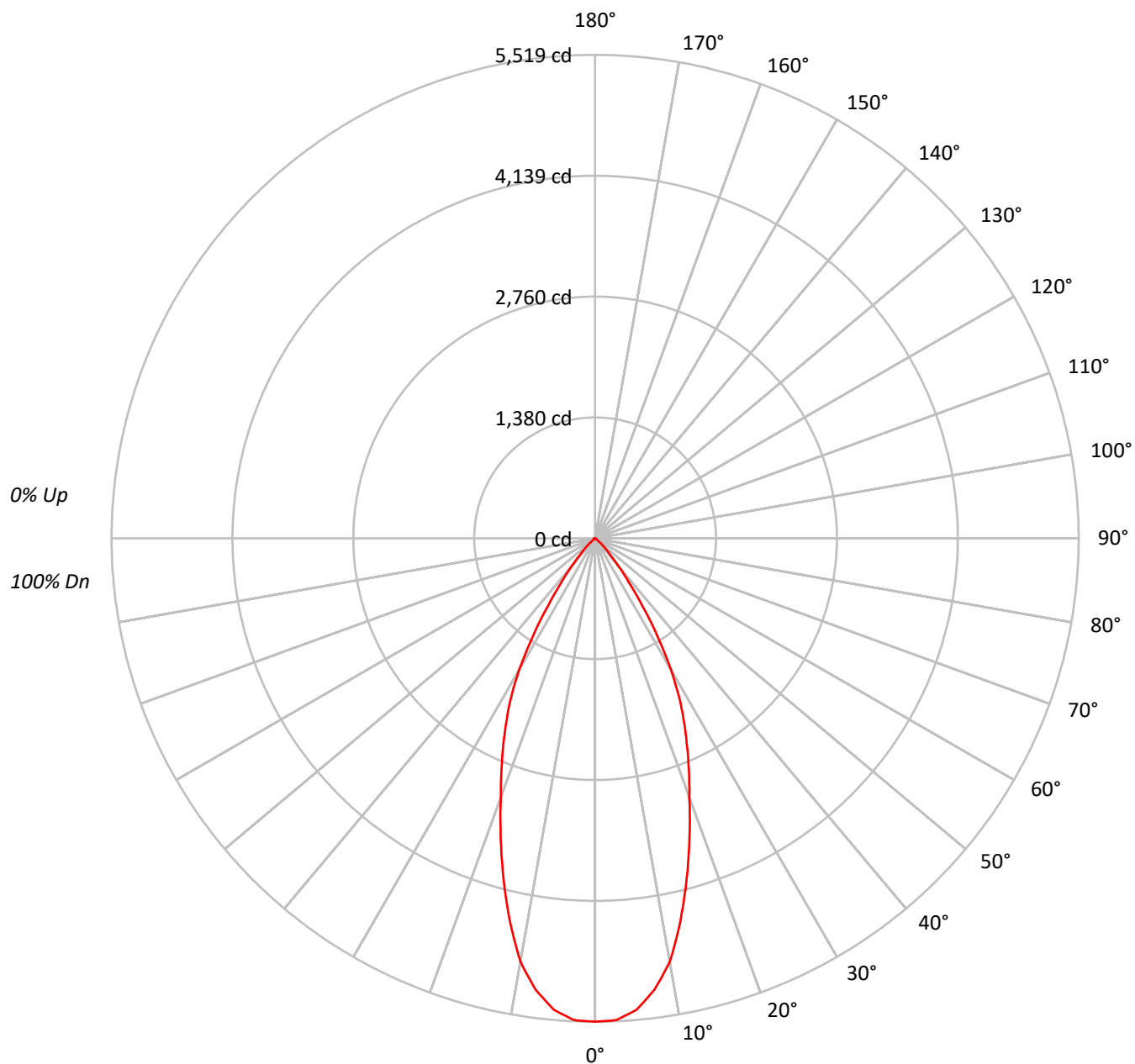
Lumens per Lamp: N/A
Luminaire Lumens: 3501.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P858700

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P858700

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_3500K

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	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	71		78	74	71		77
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73
8	82	73	68	64	81	73	67	64	72	67	64		71	66	63		70
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	678041
5°	666522
10°	612429
15°	512870
20°	410896
25°	330155
30°	245771
35°	140408
40°	65898
45°	27972
50°	8906
55°	4541
60°	3120
65°	2471
70°	1509
75°	0
80°	0
85°	0



TEST NUMBER: P858700

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.7	14.3
10°-20°	1117.2	31.9
20°-30°	1110.8	31.7
30°-40°	604.9	17.3
40°-50°	139.8	4.0
50°-60°	19.7	0.6
60°-70°	7.3	0.2
70°-80°	1.6	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°	2727.7	77.9
0°-40°	3332.5	95.2
0°-60°	3492.0	99.7
0°-90°	3501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3501.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5519	
5°	5405	500
15°	4032	1117
25°	2436	1111
35°	936	605
45°	161	140
55°	21	20
65°	8	7
75°	0	2
85°	0	0
90°	0	



TEST NUMBER: P858700

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	5519.1
2.5°	5506.4
5°	5404.7
7.5°	5197.2
10°	4909.3
12.5°	4485.7
15°	4032.4
17.5°	3583.4
20°	3142.9
22.5°	2782.9
25°	2435.6
27.5°	2105.2
30°	1732.5
32.5°	1317.4
35°	936.2
37.5°	631.0
40°	410.9
42.5°	258.3
45°	161.0
47.5°	93.2
50°	46.6
52.5°	25.4
55°	21.2
57.5°	12.7
60°	12.7
62.5°	8.5
65°	8.5
67.5°	4.2
70°	4.2
72.5°	4.2
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)