

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: P858698

Luminaire Tested: **LD4C35W2N2050D010 4LBMLI_2700K**

Issue Date: 11/9/2023



Test Information

Test Method: LM-79-08
Report Number: P858698
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_2700K
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, W2N2050 LEDS
AND 4LBMLI TRIM WITH FINISH

Light Source: -
Ballast/Driver: -

Summary

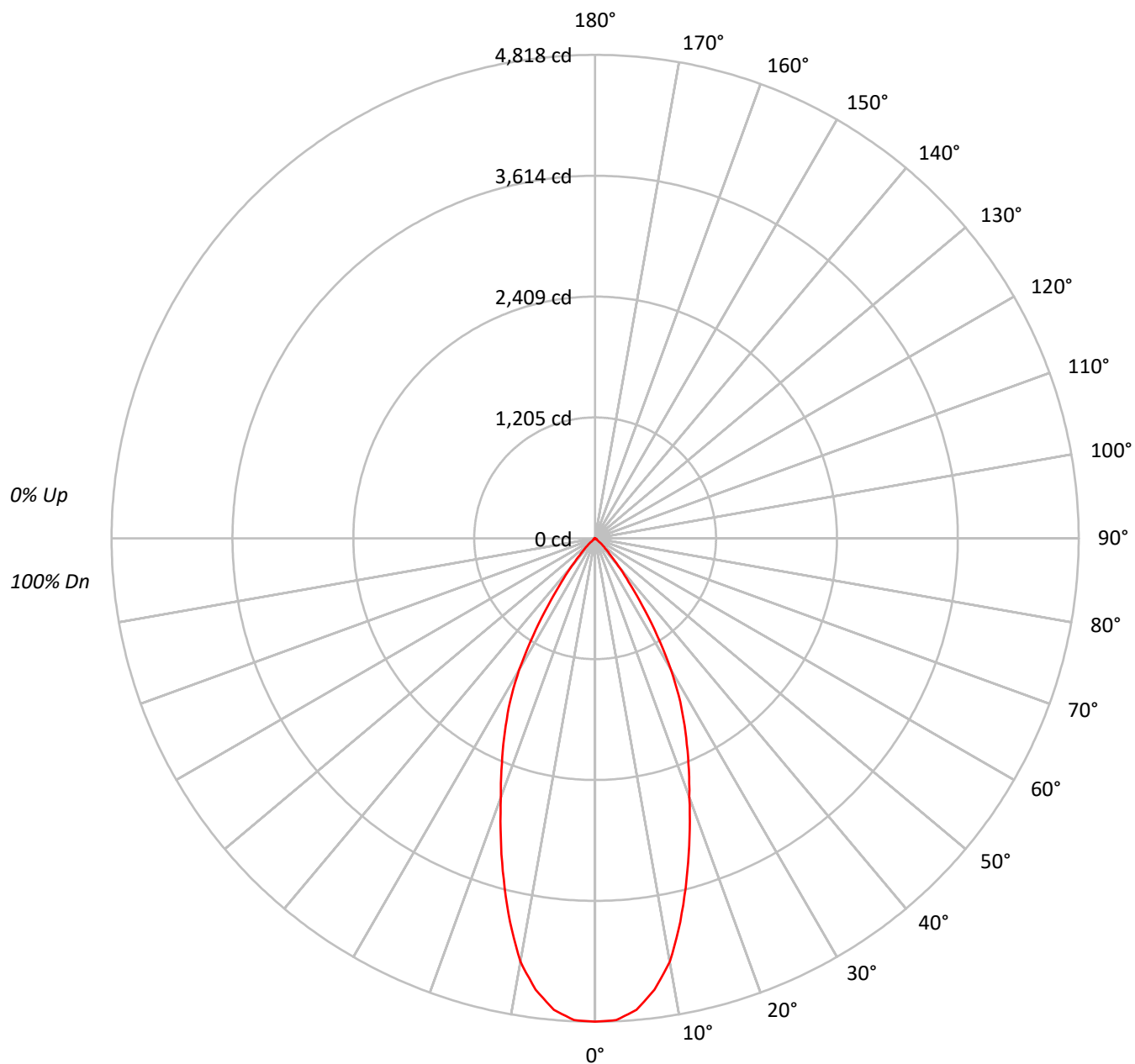
Lumens per Lamp: N/A
Luminaire Lumens: 3056.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858698

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P858698

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_2700K

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°	591859
5°	581800
10°	534586
15°	447686
20°	358666
25°	288187
30°	214533
35°	122561
40°	57510
45°	24428
50°	7779
55°	3962
60°	2727
65°	2151
70°	1329
75°	0
80°	0
85°	0



TEST NUMBER: P858698

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.2	14.3
10°-20°	975.2	31.9
20°-30°	969.6	31.7
30°-40°	528.0	17.3
40°-50°	122.1	4.0
50°-60°	17.2	0.6
60°-70°	6.4	0.2
70°-80°	1.4	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°	2380.9	77.9
0°-40°	2908.9	95.2
0°-60°	3048.2	99.7
0°-90°	3056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4818	
5°	4718	436
15°	3520	975
25°	2126	970
35°	817	528
45°	141	122
55°	18	17
65°	7	6
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P858698

CATALOG NUMBER: LD4C35W2N2050D010 4LBMLI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	4817.6
2.5°	4806.5
5°	4717.7
7.5°	4536.6
10°	4285.3
12.5°	3915.5
15°	3519.9
17.5°	3127.9
20°	2743.4
22.5°	2429.1
25°	2126.0
27.5°	1837.6
30°	1512.3
32.5°	1149.9
35°	817.2
37.5°	550.8
40°	358.6
42.5°	225.5
45°	140.6
47.5°	81.4
50°	40.7
52.5°	22.2
55°	18.5
57.5°	11.1
60°	11.1
62.5°	7.4
65°	7.4
67.5°	3.7
70°	3.7
72.5°	3.7
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)