

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P314968

Luminaire Tested: **LDA2B10NFL8035D010 PINW1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P314968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B10NFL8035D010 PINW1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus, matte white finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1003.2 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

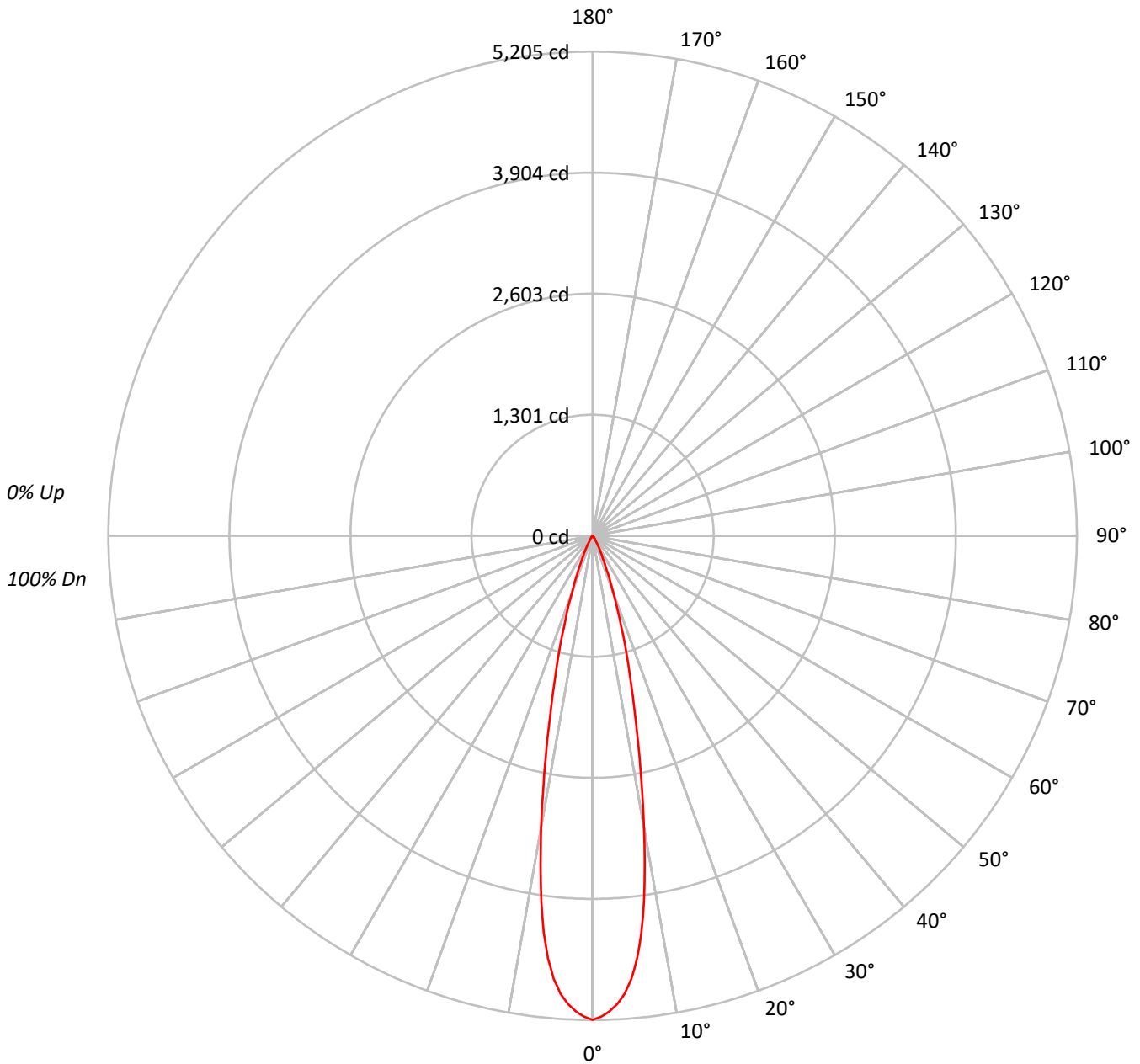
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314968

CATALOG NUMBER: LDA2B10NFL8035D010 PINW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P314968

CATALOG NUMBER: LDA2B10NFL8035D010 PINW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97				97															
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94				94															
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91				91															
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89				89															
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86				86															
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84				84															
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82				82															
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80				80															
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78				78															
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76				76															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2567800
5°	2368119
10°	1595798
15°	786783
20°	336068
25°	132117
30°	52012
35°	22766
40°	10949
45°	5303
50°	2917
55°	1634
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P314968

CATALOG NUMBER: LDA2B10NFL8035D010 PINW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.0	40.4
10°-20°	436.2	43.5
20°-30°	126.0	12.6
30°-40°	26.6	2.6
40°-50°	6.5	0.7
50°-60°	1.9	0.2
60°-70°	0.6	0.1
70°-80°	0.3	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°	967.2	96.4
0°-40°	993.8	99.1
0°-60°	1002.2	99.9
0°-90°	1003.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5205	
5°	4782	405
15°	1540	436
25°	243	126
35°	38	27
45°	8	7
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P314968

CATALOG NUMBER: LDA2B10NFL8035D010 PINW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5204.7
1°	5172.0
2°	5116.7
3°	5041.9
4°	4935.9
5°	4781.7
6°	4573.5
7°	4302.0
8°	3968.0
9°	3578.6
10°	3185.4
11°	2788.0
12°	2412.9
13°	2079.8
14°	1786.9
15°	1540.4
17.5°	1018.1
20°	640.1
22.5°	393.6
25°	242.7
27.5°	148.1
30°	91.3
32.5°	57.7
35°	37.8
37.5°	25.1
40°	17.0
42.5°	11.8
45°	7.6
47.5°	4.7
50°	3.8
52.5°	2.8
55°	1.9
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.5
80°	0.0
82.5°	0.0



TEST NUMBER: P314968

CATALOG NUMBER: LDA2B10NFL8035D010 PINW1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)