

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: P314969

Luminaire Tested: **LDA2B10NFL8035D010 PIN1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P314969  
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 PIN1MMS  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in Adj PinHole, Black oculus, matte metallic silver finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 992.4 lumens  
Efficiency: N/A  
Efficacy: 99.2 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

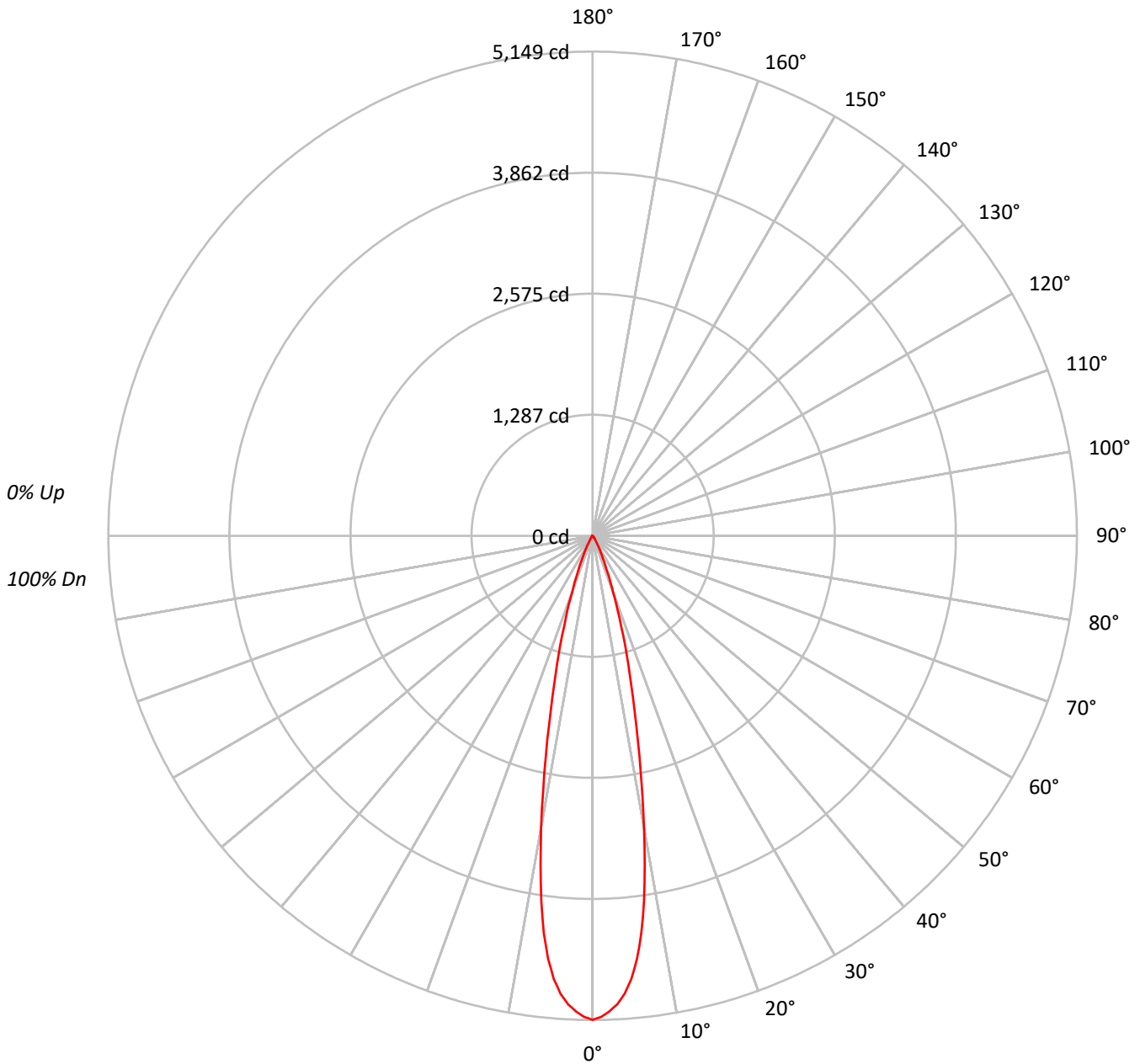
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P314969

CATALOG NUMBER: LDA2B10NFL8035D010 PIN1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P314969

CATALOG NUMBER: LDA2B10NFL8035D010 PIN1MMS

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20																	
RC	80									70									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	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°	2540271
5°	2342763
10°	1578715
15°	778356
20°	332498
25°	130702
30°	51443
35°	22525
40°	10820
45°	5233
50°	2840
55°	1634
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P314969

CATALOG NUMBER: LDA2B10NFL8035D010 PIN1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.7	40.4
10°-20°	431.6	43.5
20°-30°	124.6	12.6
30°-40°	26.3	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°	956.9	96.4
0°-40°	983.1	99.1
0°-60°	991.5	99.9
0°-90°	992.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5149	
5°	4730	401
15°	1524	432
25°	240	125
35°	37	26
45°	8	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P314969

CATALOG NUMBER: LDA2B10NFL8035D010 PIN1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5148.9
1°	5116.6
2°	5061.8
3°	4987.9
4°	4883.0
5°	4730.5
6°	4524.5
7°	4255.9
8°	3925.4
9°	3540.2
10°	3151.3
11°	2758.2
12°	2387.0
13°	2057.5
14°	1767.8
15°	1523.9
17.5°	1007.2
20°	633.3
22.5°	389.4
25°	240.1
27.5°	146.5
30°	90.3
32.5°	57.1
35°	37.4
37.5°	24.8
40°	16.8
42.5°	11.7
45°	7.5
47.5°	4.7
50°	3.7
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: P314969

CATALOG NUMBER: LDA2B10NFL8035D010 PIN1MMS

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)