

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: P278013

Luminaire Tested: **LDA2B109024D010 EU2B10SP159024 2LBAD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278013  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B109024D010 EU2B10SP159024 2LBAD1B  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, B  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 776.3 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

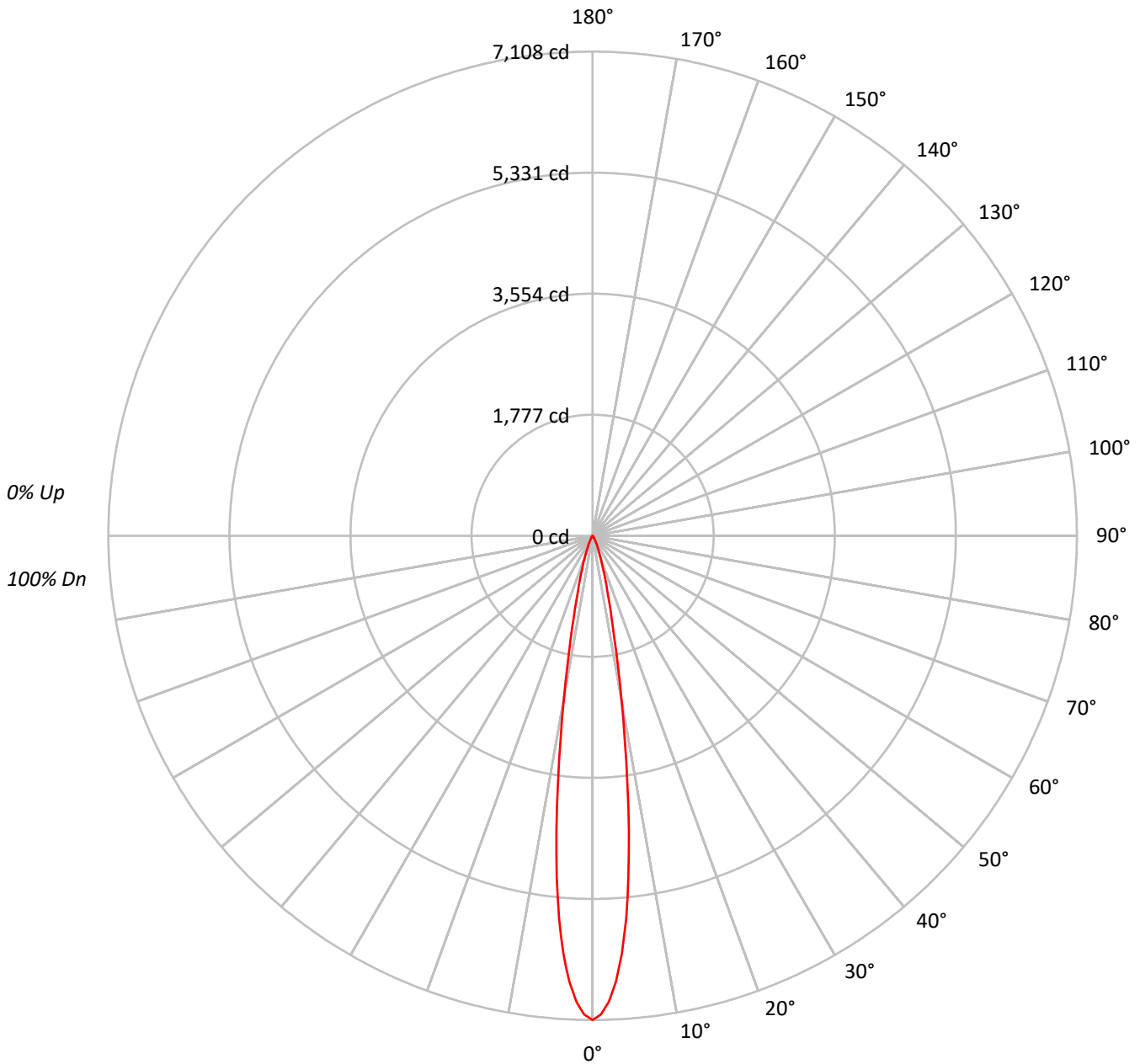
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P278013

CATALOG NUMBER: LDA2B109024D010 EU2B10SP159024 2LBAD1B

### Luminous Intensity Polar Plot





TEST NUMBER: P278013

CATALOG NUMBER: LDA2B109024D010 EU2B10SP159024 2LBAD1B

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

RF	20				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98				98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96				96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93				93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92				92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90				90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88				88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86				86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85				85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83				83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82				82

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3507062
5°	2796062
10°	1213907
15°	419390
20°	171946
25°	77681
30°	31219
35°	14575
40°	7922
45°	2930
50°	1765
55°	1290
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278013

CATALOG NUMBER: LDA2B109024D010 EU2B10SP159024 2LBAD1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.7	55.0
10°-20°	256.2	33.0
20°-30°	70.5	9.1
30°-40°	16.8	2.2
40°-50°	4.1	0.5
50°-60°	1.4	0.2
60°-70°	0.5	0.1
70°-80°	0.1	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°	753.5	97.1
0°-40°	770.2	99.2
0°-60°	775.8	99.9
0°-90°	776.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7108	
5°	5646	427
15°	821	256
25°	143	71
35°	24	17
45°	4	4
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278013

CATALOG NUMBER: LDA2B109024D010 EU2B10SP159024 2LBAD1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7108.5
1°	7029.9
2°	6841.6
3°	6554.3
4°	6148.9
5°	5645.8
6°	5031.4
7°	4358.3
8°	3651.1
9°	3000.6
10°	2423.1
11°	1934.1
12°	1539.4
13°	1241.4
14°	1004.4
15°	821.1
17.5°	509.7
20°	327.5
22.5°	214.8
25°	142.7
27.5°	91.7
30°	54.8
32.5°	34.5
35°	24.2
37.5°	17.6
40°	12.3
42.5°	7.3
45°	4.2
47.5°	3.1
50°	2.3
52.5°	1.9
55°	1.5
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P278013

CATALOG NUMBER: LDA2B109024D010 EU2B10SP159024 2LBAD1B

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)