

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: P278149

Luminaire Tested: **LDA2B159035D010 EU2B15SP159035 2LBAD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278149  
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: LDA2B159035D010 EU2B15SP159035 2LBAD1B  
Description: PORTFOLIO 2IN ADJ 1500 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: 1205.5 lumens  
Efficiency: N/A  
Efficacy: 85.5 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

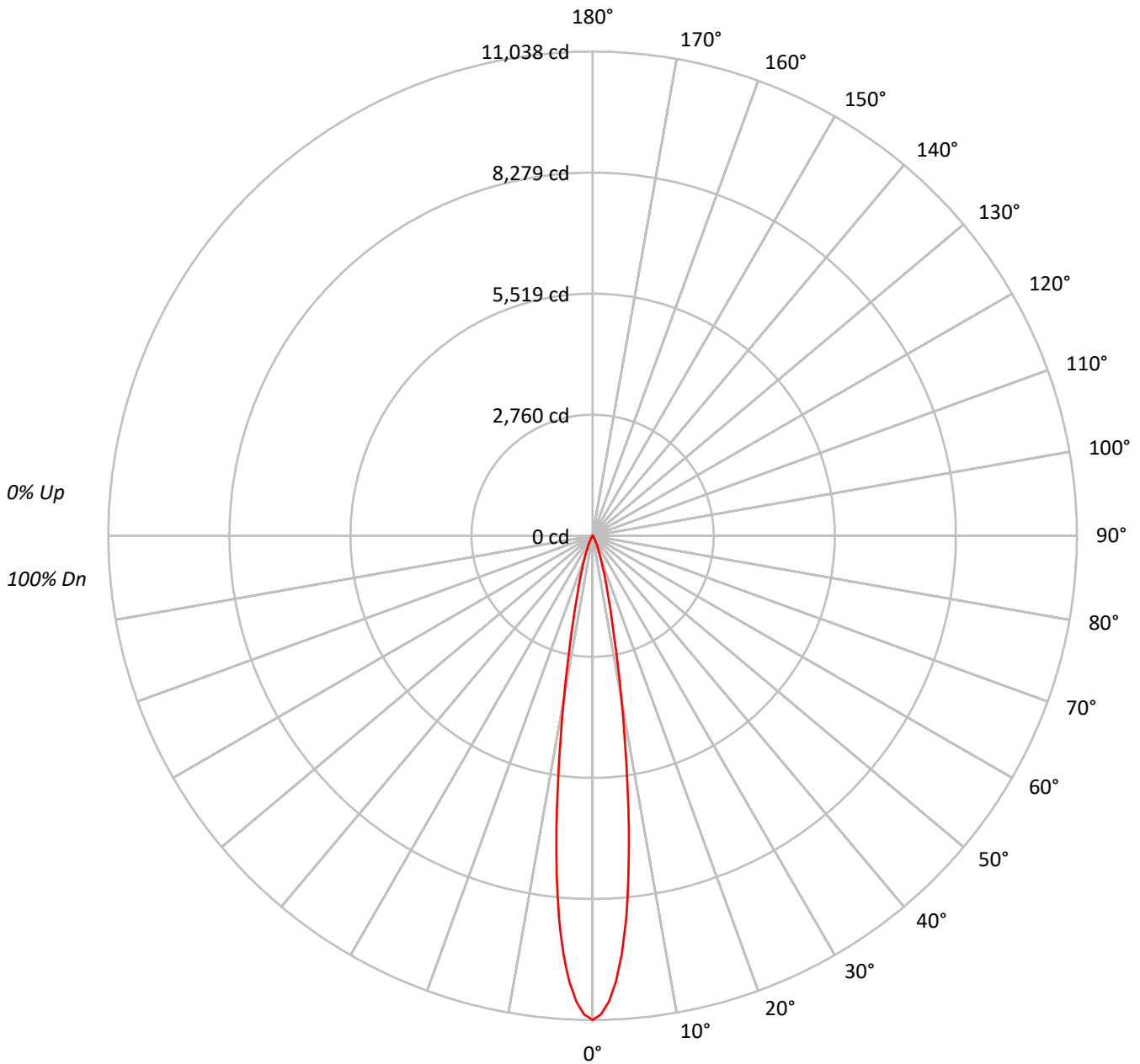
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P278149

CATALOG NUMBER: LDA2B159035D010 EU2B15SP159035 2LBAD1B

### Luminous Intensity Polar Plot





TEST NUMBER: P278149

CATALOG NUMBER: LDA2B159035D010 EU2B15SP159035 2LBAD1B

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

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

	0°
0°	5445974
5°	4341874
10°	1885010
15°	651277
20°	267028
25°	120577
30°	48537
35°	22586
40°	12301
45°	4605
50°	2763
55°	2064
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P278149

CATALOG NUMBER: LDA2B159035D010 EU2B15SP159035 2LBAD1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	662.6	55.0
10°-20°	397.9	33.0
20°-30°	109.5	9.1
30°-40°	26.1	2.2
40°-50°	6.4	0.5
50°-60°	2.1	0.2
60°-70°	0.8	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°	1170.0	97.1
0°-40°	1196.1	99.2
0°-60°	1204.6	99.9
0°-90°	1205.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11038	
5°	8767	663
15°	1275	398
25°	222	110
35°	38	26
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278149

CATALOG NUMBER: LDA2B159035D010 EU2B15SP159035 2LBAD1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11038.5
1°	10916.4
2°	10624.0
3°	10178.0
4°	9548.5
5°	8767.1
6°	7813.0
7°	6767.8
8°	5669.6
9°	4659.6
10°	3762.7
11°	3003.4
12°	2390.5
13°	1927.8
14°	1559.7
15°	1275.1
17.5°	791.5
20°	508.6
22.5°	333.5
25°	221.5
27.5°	142.3
30°	85.2
32.5°	53.6
35°	37.5
37.5°	27.4
40°	19.1
42.5°	11.3
45°	6.6
47.5°	4.8
50°	3.6
52.5°	3.0
55°	2.4
57.5°	1.8
60°	1.2
62.5°	1.2
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P278149

CATALOG NUMBER: LDA2B159035D010 EU2B15SP159035 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)