

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: P278435

Luminaire Tested: **LDA2B059035D010 EU2B05NFL259035 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278435  
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: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 698.5 lumens  
Efficiency: N/A  
Efficacy: 99.8 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

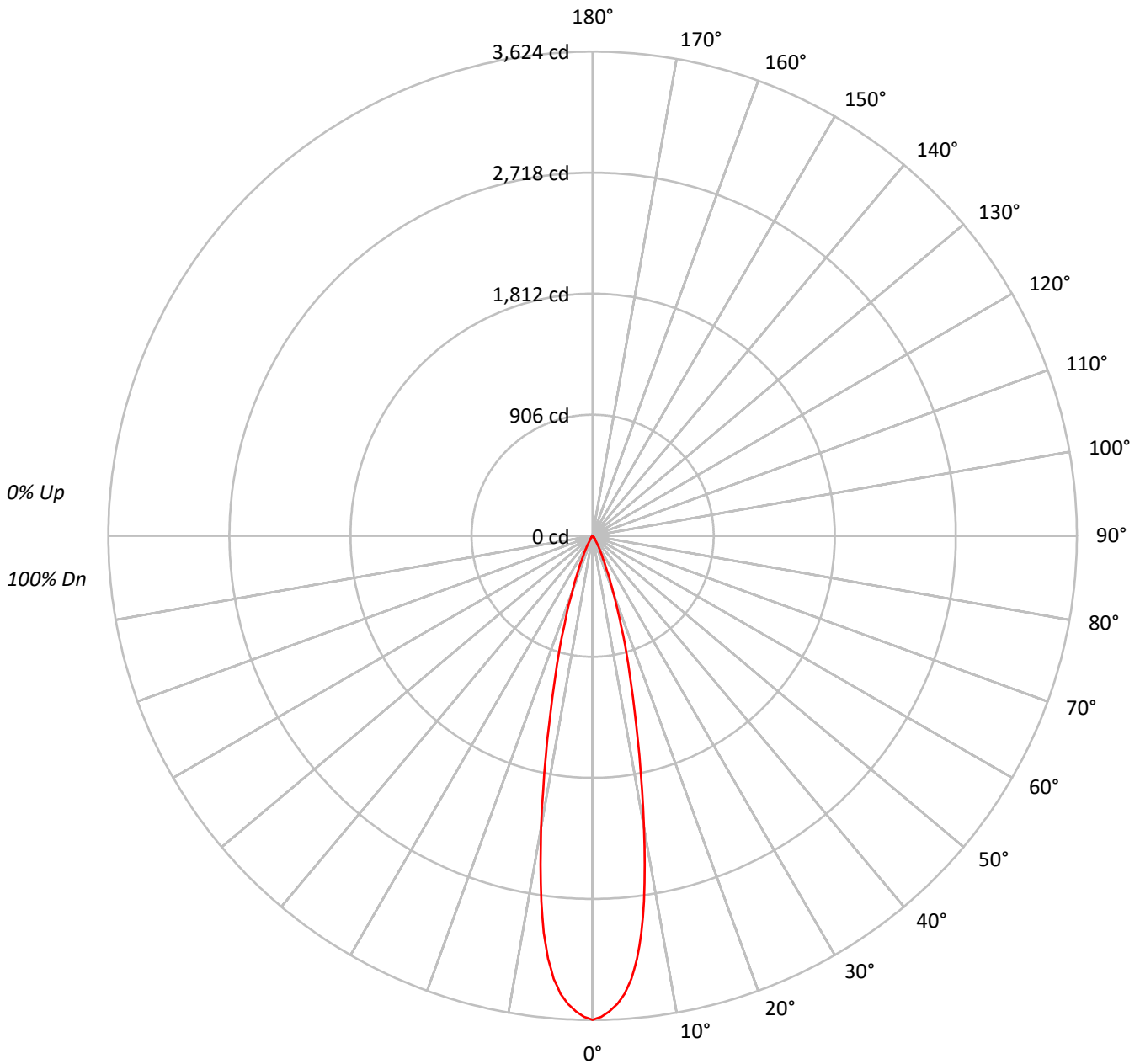
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P278435

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P278435

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI

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

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

	0°
0°	1787844
5°	1648824
10°	1111107
15°	547847
20°	234003
25°	91998
30°	36232
35°	15900
40°	7664
45°	3698
50°	1996
55°	1118
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P278435

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.0	40.4
10°-20°	303.7	43.5
20°-30°	87.7	12.6
30°-40°	18.5	2.7
40°-50°	4.6	0.7
50°-60°	1.3	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	673.5	96.4
0°-40°	692.0	99.1
0°-60°	697.9	99.9
0°-90°	698.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3624	
5°	3329	282
15°	1073	304
25°	169	88
35°	26	19
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278435

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3623.8
1°	3601.1
2°	3562.6
3°	3510.5
4°	3436.7
5°	3329.3
6°	3184.4
7°	2995.3
8°	2762.7
9°	2491.6
10°	2217.9
11°	1941.2
12°	1680.0
13°	1448.1
14°	1244.2
15°	1072.6
17.5°	708.9
20°	445.7
22.5°	274.1
25°	169.0
27.5°	103.1
30°	63.6
32.5°	40.2
35°	26.4
37.5°	17.5
40°	11.9
42.5°	8.2
45°	5.3
47.5°	3.3
50°	2.6
52.5°	2.0
55°	1.3
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
80°	0.0
82.5°	0.0



TEST NUMBER: P278435

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1LI

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)