

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: P279795

Luminaire Tested: **LDA2B159040D010 EU2B15FL409040 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B159040D010 EU2B15FL409040 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1335.0 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

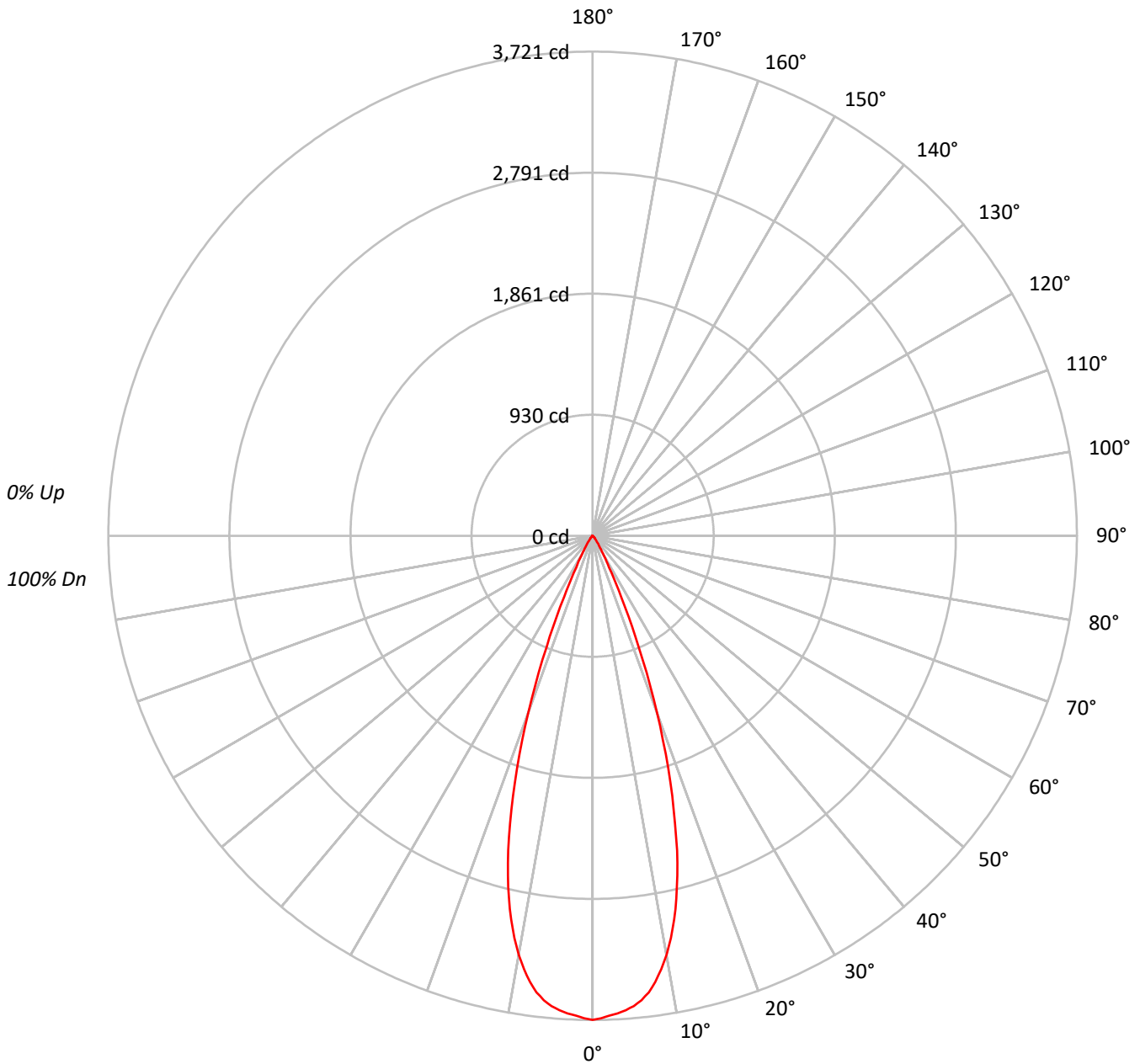
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279795

CATALOG NUMBER: LDA2B159040D010 EU2B15FL409040 2LBAD1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P279795

CATALOG NUMBER: LDA2B159040D010 EU2B15FL409040 2LBAD1LI

**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	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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																			
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69																			

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

	0°
0°	1835701
5°	1796902
10°	1637730
15°	1279417
20°	757453
25°	281600
30°	87959
35°	39148
40°	18162
45°	8582
50°	4682
55°	2666
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P279795

CATALOG NUMBER: LDA2B159040D010 EU2B15FL409040 2LBAD1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.4	25.1
10°-20°	667.0	50.0
20°-30°	273.1	20.5
30°-40°	45.2	3.4
40°-50°	10.7	0.8
50°-60°	2.8	0.2
60°-70°	0.7	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°	1275.5	95.5
0°-40°	1320.7	98.9
0°-60°	1334.3	99.9
0°-90°	1335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3721	
5°	3628	335
15°	2505	667
25°	517	273
35°	65	45
45°	12	11
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279795

CATALOG NUMBER: LDA2B159040D010 EU2B15FL409040 2LBAD1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3720.8
1°	3708.0
2°	3690.8
3°	3675.5
4°	3655.2
5°	3628.3
6°	3588.4
7°	3536.3
8°	3462.2
9°	3372.1
10°	3269.1
11°	3149.6
12°	3014.8
13°	2860.9
14°	2690.0
15°	2504.9
17.5°	1986.4
20°	1442.7
22.5°	923.6
25°	517.3
27.5°	272.7
30°	154.4
32.5°	98.1
35°	65.0
37.5°	42.9
40°	28.2
42.5°	18.4
45°	12.3
47.5°	8.6
50°	6.1
52.5°	4.3
55°	3.1
57.5°	1.8
60°	1.2
62.5°	0.6
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: P279795

CATALOG NUMBER: LDA2B159040D010 EU2B15FL409040 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)