

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: P279835

Luminaire Tested: **LDA2B159727D010 EU2B15FL409727 2LBALD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279835  
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: LDA2B159727D010 EU2B15FL409727 2LBALD1H  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl w/lens Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1079.7 lumens  
Efficiency: N/A  
Efficacy: 76.6 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

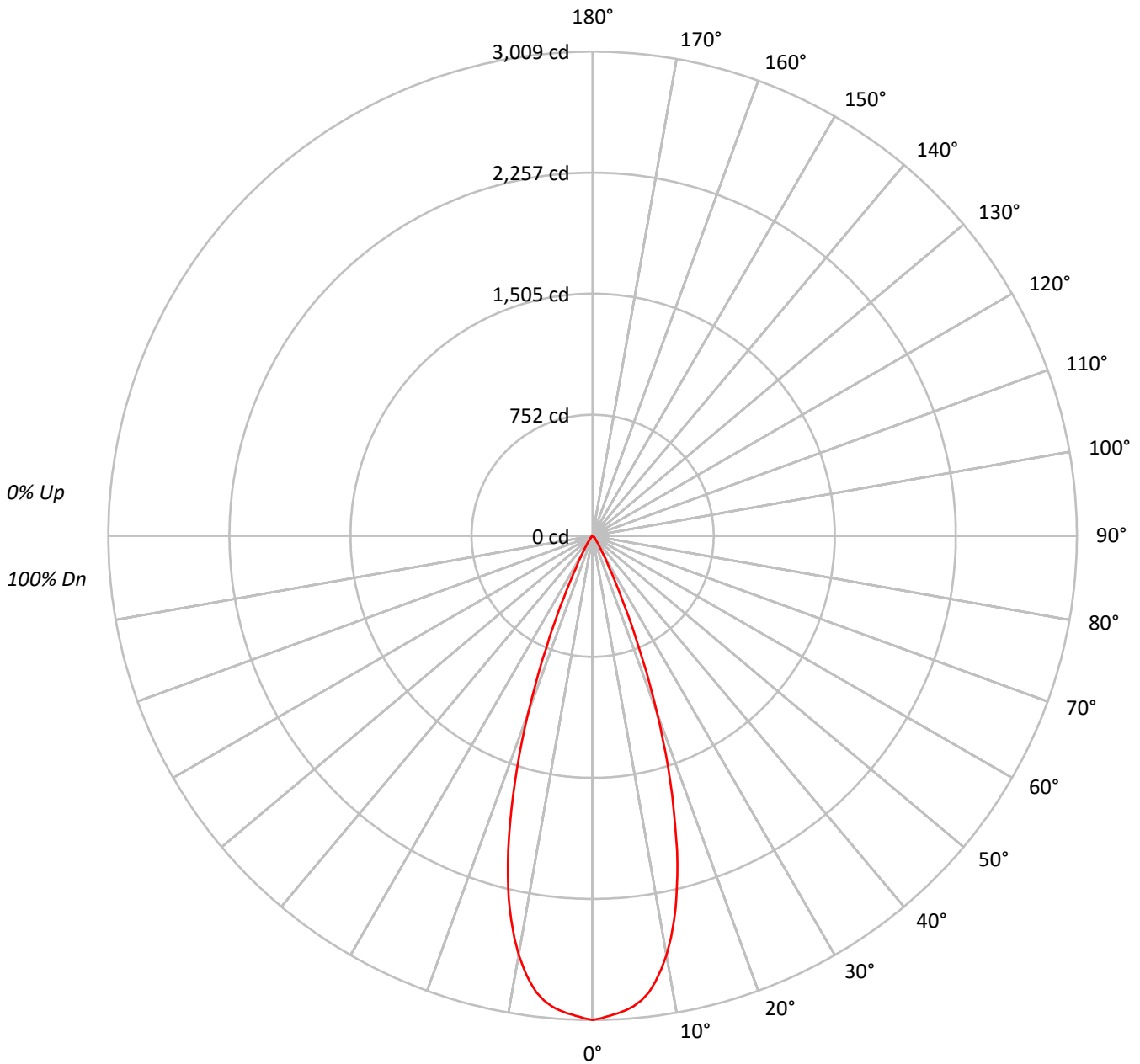
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279835

CATALOG NUMBER: LDA2B159727D010 EU2B15FL409727 2LBALD1H

### Luminous Intensity Polar Plot





TEST NUMBER: P279835

CATALOG NUMBER: LDA2B159727D010 EU2B15FL409727 2LBALD1H

**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	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°	1484624
5°	1453201
10°	1324522
15°	1034709
20°	612599
25°	227708
30°	71154
35°	31620
40°	14684
45°	6907
50°	3838
55°	2150
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P279835

CATALOG NUMBER: LDA2B159727D010 EU2B15FL409727 2LBALD1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.2	25.1
10°-20°	539.4	50.0
20°-30°	220.9	20.5
30°-40°	36.6	3.4
40°-50°	8.6	0.8
50°-60°	2.3	0.2
60°-70°	0.6	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°	1031.6	95.5
0°-40°	1068.1	98.9
0°-60°	1079.1	99.9
0°-90°	1079.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3009	
5°	2934	271
15°	2026	539
25°	418	221
35°	52	37
45°	10	9
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279835

CATALOG NUMBER: LDA2B159727D010 EU2B15FL409727 2LBALD1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3009.2
1°	2998.8
2°	2984.9
3°	2972.5
4°	2956.1
5°	2934.3
6°	2902.1
7°	2860.0
8°	2800.0
9°	2727.1
10°	2643.9
11°	2547.2
12°	2438.2
13°	2313.8
14°	2175.5
15°	2025.8
17.5°	1606.4
20°	1166.8
22.5°	747.0
25°	418.3
27.5°	220.6
30°	124.9
32.5°	79.3
35°	52.5
37.5°	34.7
40°	22.8
42.5°	14.9
45°	9.9
47.5°	6.9
50°	5.0
52.5°	3.5
55°	2.5
57.5°	1.5
60°	1.0
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279835

CATALOG NUMBER: LDA2B159727D010 EU2B15FL409727 2LBALD1H

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)