

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: P315055

Luminaire Tested: **LDA2B15NFL8035D010 PIN1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315055  
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: LDA2B15NFL8035D010 PIN1MB  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in Adj PinHole, Black oculus black finish  
Light Source: -  
Ballast/Driver: -

**Summary**

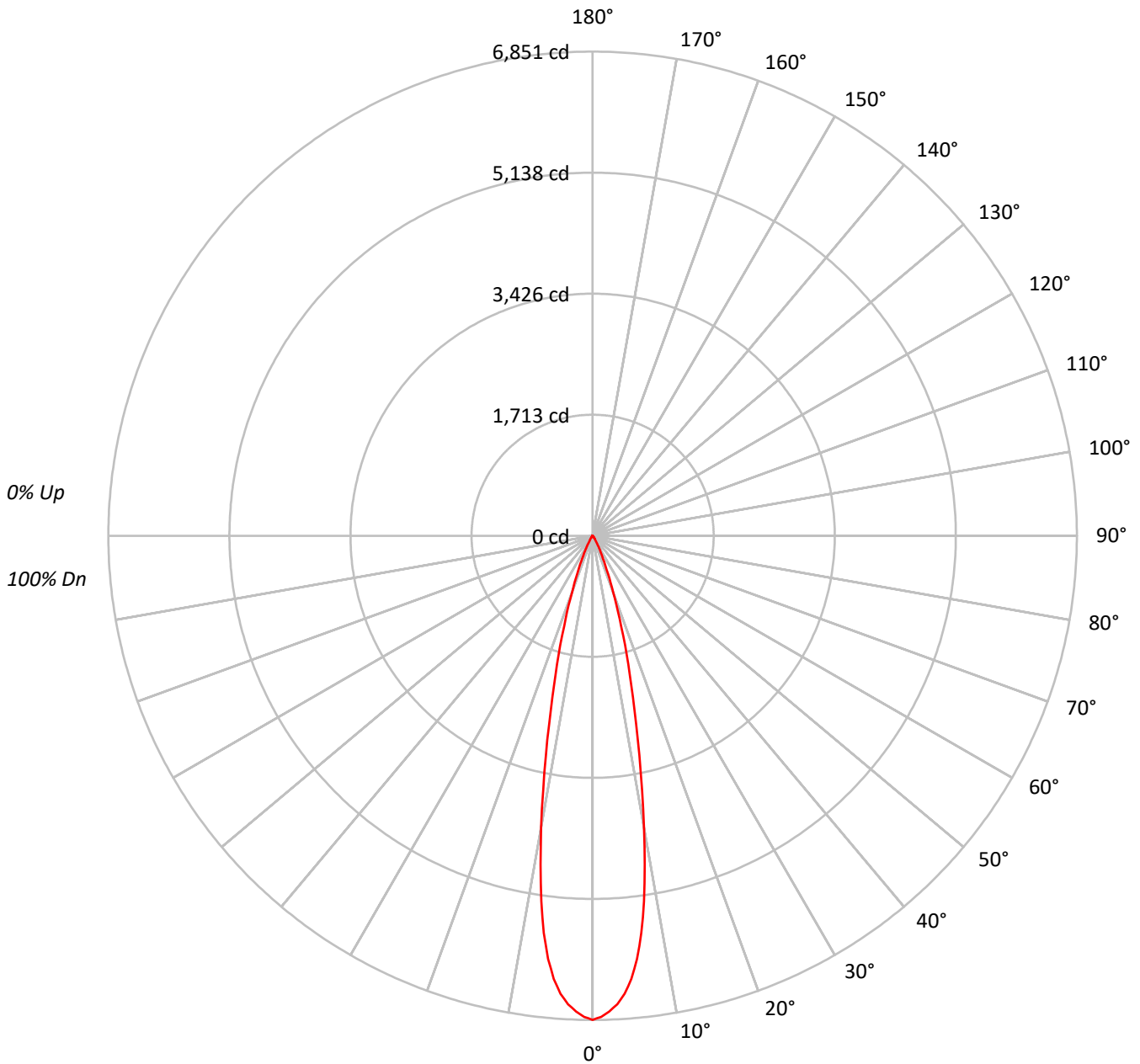
Lumens per Lamp: N/A  
Luminaire Lumens: 1320.5 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P315055  
CATALOG NUMBER: LDA2B15NFL8035D010 PIN1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P315055

CATALOG NUMBER: LDA2B15NFL8035D010 PIN1MB

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

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

	0°
0°	3380071
5°	3117229
10°	2100629
15°	1035680
20°	442386
25°	173924
30°	68476
35°	29994
40°	14426
45°	6977
50°	3838
55°	2150
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P315055

CATALOG NUMBER: LDA2B15NFL8035D010 PIN1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.2	40.4
10°-20°	574.2	43.5
20°-30°	165.8	12.6
30°-40°	35.0	2.7
40°-50°	8.6	0.7
50°-60°	2.5	0.2
60°-70°	0.8	0.1
70°-80°	0.4	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°	1273.2	96.4
0°-40°	1308.2	99.1
0°-60°	1319.3	99.9
0°-90°	1320.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6851	
5°	6294	533
15°	2028	574
25°	320	166
35°	50	35
45°	10	9
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P315055

CATALOG NUMBER: LDA2B15NFL8035D010 PIN1MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6851.1
1°	6808.1
2°	6735.2
3°	6636.8
4°	6497.3
5°	6294.3
6°	6020.3
7°	5662.8
8°	5223.2
9°	4710.6
10°	4193.1
11°	3670.0
12°	3176.1
13°	2737.7
14°	2352.2
15°	2027.7
17.5°	1340.2
20°	842.6
22.5°	518.1
25°	319.5
27.5°	194.9
30°	120.2
32.5°	76.0
35°	49.8
37.5°	33.0
40°	22.4
42.5°	15.6
45°	10.0
47.5°	6.2
50°	5.0
52.5°	3.7
55°	2.5
57.5°	1.9
60°	1.2
62.5°	1.2
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.6
80°	0.0
82.5°	0.0



TEST NUMBER: P315055  
CATALOG NUMBER: LDA2B15NFL8035D010 PIN1MB

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)