

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: P315061

Luminaire Tested: **LDA2B15NFL8040D010 PIN1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315061  
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: LDA2B15NFL8040D010 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**

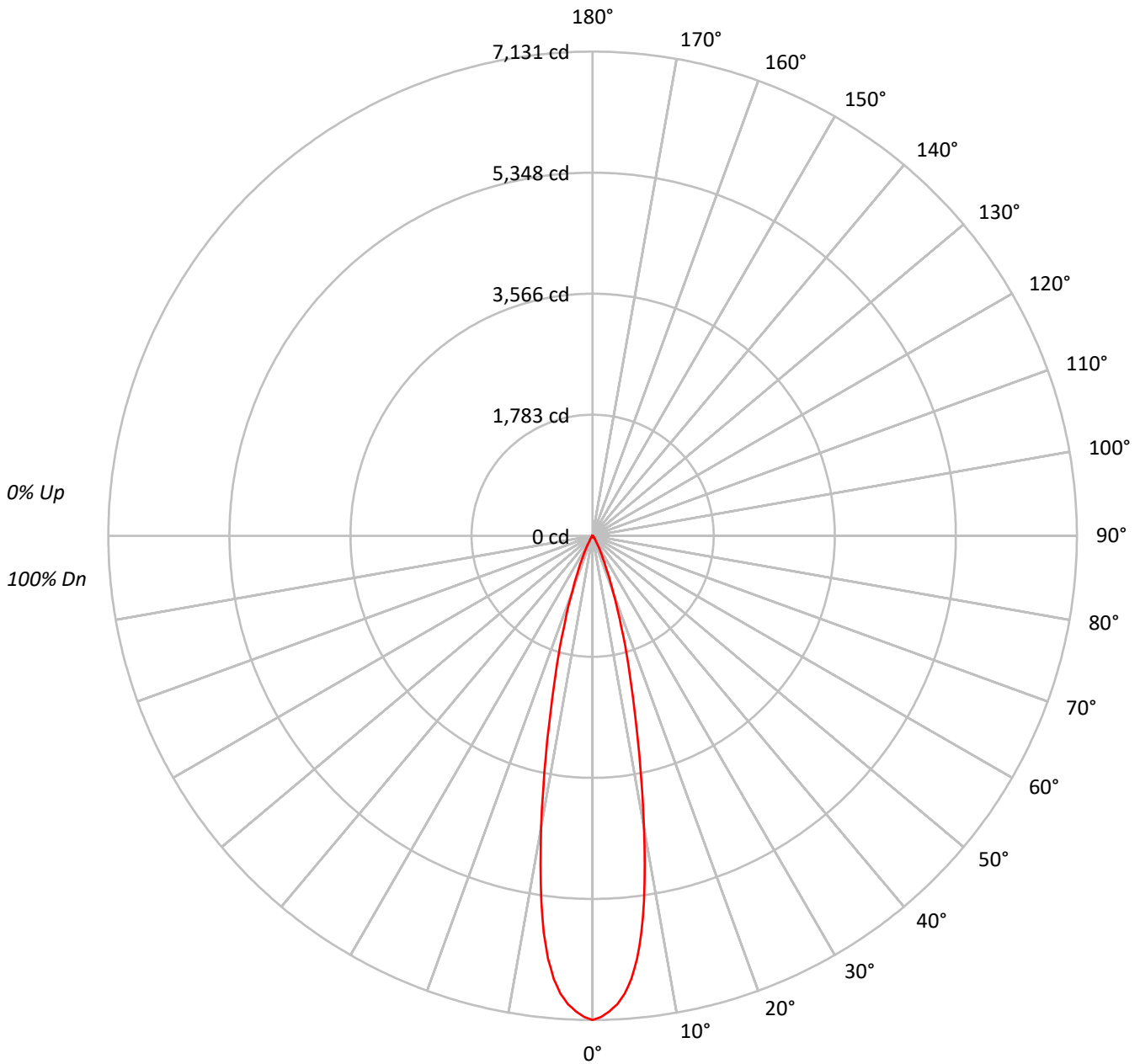
Lumens per Lamp: N/A  
Luminaire Lumens: 1374.5 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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



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### Luminous Intensity Polar Plot





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**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	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°	3518311
5°	3244755
10°	2186545
15°	1078073
20°	460499
25°	181001
30°	71268
35°	31259
40°	15006
45°	7256
50°	3991
55°	2236
60°	1283
65°	700
70°	865
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	555.0	40.4
10°-20°	597.7	43.5
20°-30°	172.6	12.6
30°-40°	36.4	2.7
40°-50°	9.0	0.7
50°-60°	2.6	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°	1325.3	96.4
0°-40°	1361.7	99.1
0°-60°	1373.3	99.9
0°-90°	1374.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7131	
5°	6552	555
15°	2111	598
25°	332	173
35°	52	36
45°	10	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7131.3
1°	7086.6
2°	7010.7
3°	6908.3
4°	6763.1
5°	6551.8
6°	6266.5
7°	5894.5
8°	5436.8
9°	4903.3
10°	4364.6
11°	3820.1
12°	3306.0
13°	2849.7
14°	2448.4
15°	2110.7
17.5°	1395.0
20°	877.1
22.5°	539.3
25°	332.5
27.5°	202.9
30°	125.1
32.5°	79.1
35°	51.9
37.5°	34.4
40°	23.3
42.5°	16.2
45°	10.4
47.5°	6.5
50°	5.2
52.5°	3.9
55°	2.6
57.5°	1.9
60°	1.3
62.5°	1.3
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



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)