

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: P314991

Luminaire Tested: **LDA2B10NFL9027D010 PIN1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P314991  
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: LDA2B10NFL9027D010 PIN1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in Adj PinHole, Black oculus, matte white finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 758.9 lumens  
Efficiency: N/A  
Efficacy: 75.9 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

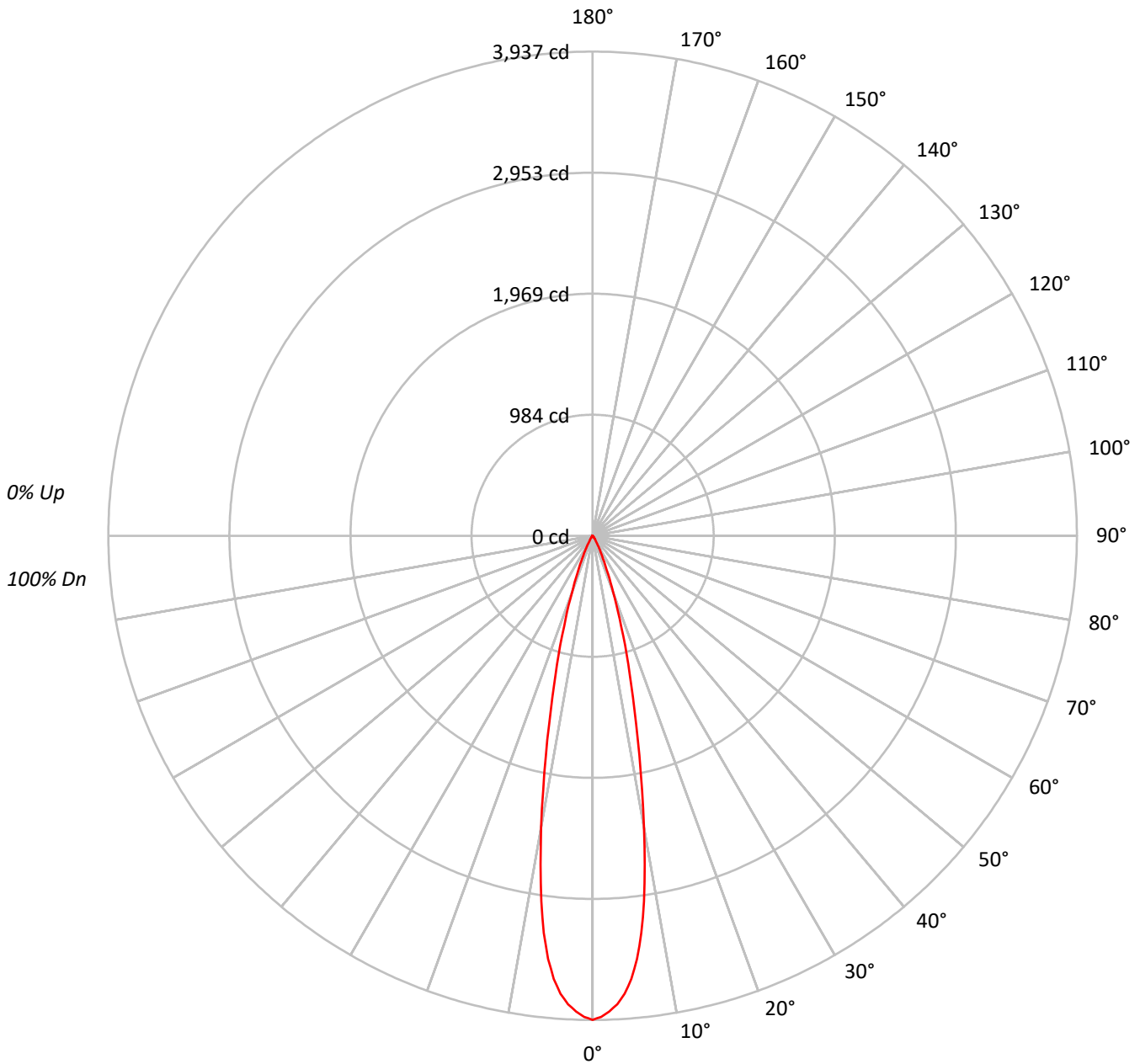
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P314991

CATALOG NUMBER: LDA2B10NFL9027D010 PIN1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P314991

CATALOG NUMBER: LDA2B10NFL9027D010 PIN1MW

**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	77	82	79	77	82	79	77	76									76																		

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

	0°
0°	1942415
5°	1791356
10°	1207144
15°	595195
20°	254217
25°	99945
30°	39365
35°	17225
40°	8308
45°	3977
50°	2226
55°	1204
60°	691
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P314991

CATALOG NUMBER: LDA2B10NFL9027D010 PIN1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.4	40.4
10°-20°	330.0	43.5
20°-30°	95.3	12.6
30°-40°	20.1	2.7
40°-50°	4.9	0.7
50°-60°	1.4	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	731.7	96.4
0°-40°	751.8	99.1
0°-60°	758.2	99.9
0°-90°	758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3937	
5°	3617	306
15°	1165	330
25°	184	95
35°	29	20
45°	6	5
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P314991

CATALOG NUMBER: LDA2B10NFL9027D010 PIN1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3937.1
1°	3912.4
2°	3870.5
3°	3814.0
4°	3733.8
5°	3617.1
6°	3459.7
7°	3254.3
8°	3001.6
9°	2707.0
10°	2409.6
11°	2109.0
12°	1825.2
13°	1573.3
14°	1351.7
15°	1165.3
17.5°	770.2
20°	484.2
22.5°	297.8
25°	183.6
27.5°	112.0
30°	69.1
32.5°	43.7
35°	28.6
37.5°	19.0
40°	12.9
42.5°	8.9
45°	5.7
47.5°	3.6
50°	2.9
52.5°	2.1
55°	1.4
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.4
80°	0.0
82.5°	0.0



TEST NUMBER: P314991

CATALOG NUMBER: LDA2B10NFL9027D010 PIN1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)