

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: P315030

Luminaire Tested: **LDA2B10NFL9730D010 PINW1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315030  
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: LDA2B10NFL9730D010 PINW1MMS  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj PinHole, White oculus, matte metallic silver finish  
Light Source: -  
Ballast/Driver: -

**Summary**

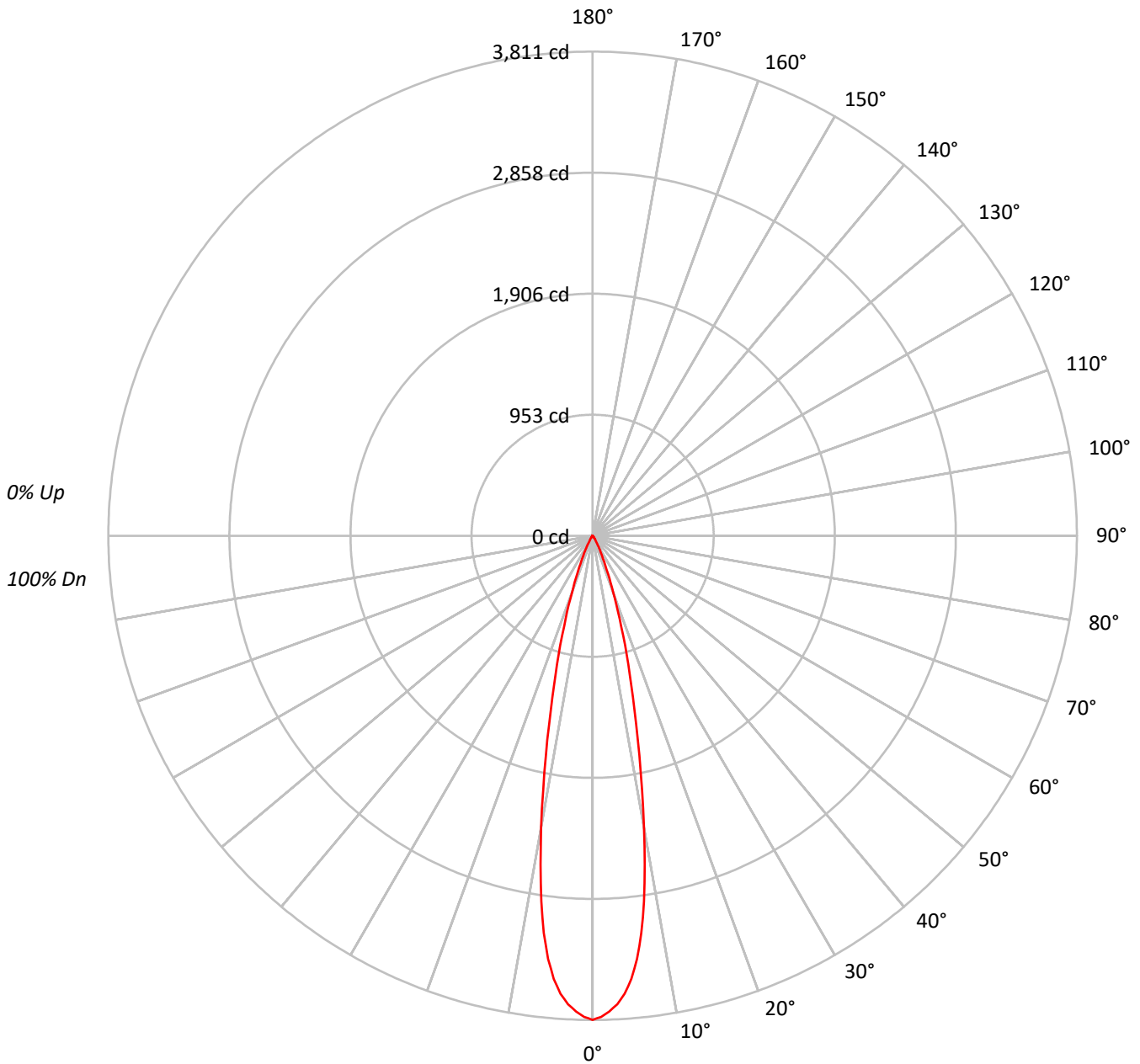
Lumens per Lamp: N/A  
Luminaire Lumens: 734.5 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P315030  
CATALOG NUMBER: LDA2B10NFL9730D010 PINW1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P315030

CATALOG NUMBER: LDA2B10NFL9730D010 PINW1MMS

**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	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	78	82	79	77	82	79	77	76	76	76	76

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

	0°
0°	1880251
5°	1734056
10°	1168519
15°	576144
20°	246079
25°	96734
30°	38112
35°	16683
40°	8050
45°	3837
50°	2149
55°	1204
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P315030

CATALOG NUMBER: LDA2B10NFL9730D010 PINW1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.6	40.4
10°-20°	319.4	43.5
20°-30°	92.2	12.6
30°-40°	19.5	2.7
40°-50°	4.8	0.7
50°-60°	1.4	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	708.2	96.4
0°-40°	727.7	99.1
0°-60°	733.9	99.9
0°-90°	734.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3811	
5°	3501	297
15°	1128	319
25°	178	92
35°	28	19
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P315030

CATALOG NUMBER: LDA2B10NFL9730D010 PINW1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3811.1
1°	3787.2
2°	3746.7
3°	3691.9
4°	3614.3
5°	3501.4
6°	3349.0
7°	3150.1
8°	2905.5
9°	2620.4
10°	2332.5
11°	2041.5
12°	1766.8
13°	1522.9
14°	1308.5
15°	1128.0
17.5°	745.5
20°	468.7
22.5°	288.2
25°	177.7
27.5°	108.4
30°	66.9
32.5°	42.3
35°	27.7
37.5°	18.4
40°	12.5
42.5°	8.7
45°	5.5
47.5°	3.5
50°	2.8
52.5°	2.1
55°	1.4
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
80°	0.0
82.5°	0.0



TEST NUMBER: P315030

CATALOG NUMBER: LDA2B10NFL9730D010 PINW1MMS

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)