

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: P278610

Luminaire Tested: **LDA2B109024D010 EU2B10NFL259024 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278610
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: LDA2B109024D010 EU2B10NFL259024 2LBAD1H
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 813.1 lumens
Efficiency: N/A
Efficacy: 81.3 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

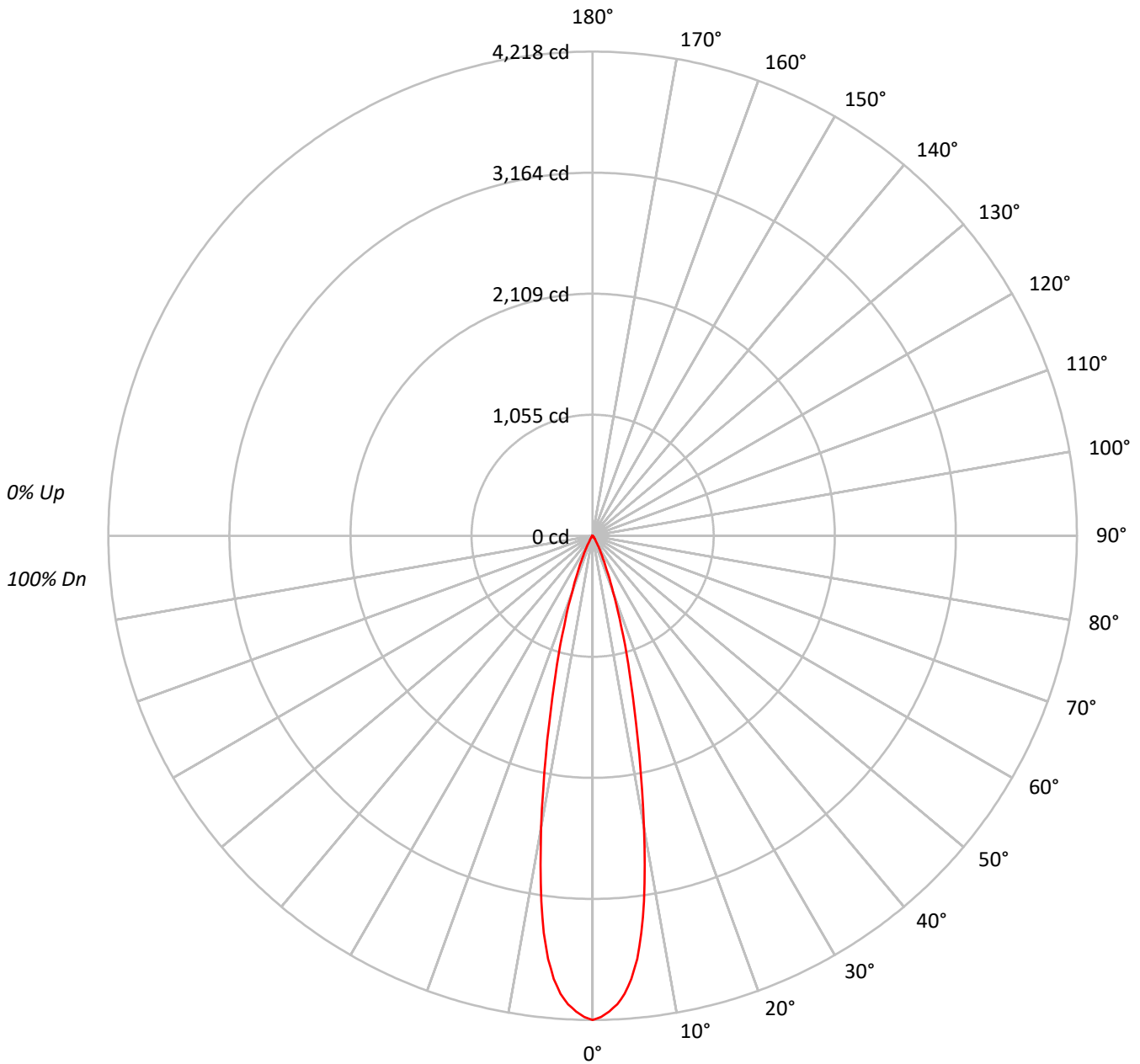
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278610

CATALOG NUMBER: LDA2B109024D010 EU2B10NFL259024 2LBAD1H

Luminous Intensity Polar Plot





TEST NUMBER: P278610

CATALOG NUMBER: LDA2B109024D010 EU2B10NFL259024 2LBAD1H

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	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°	2081247
5°	1919426
10°	1293461
15°	637742
20°	272383
25°	107076
30°	42157
35°	18490
40°	8888
45°	4256
50°	2379
55°	1290
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278610

CATALOG NUMBER: LDA2B109024D010 EU2B10NFL259024 2LBAD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.3	40.4
10°-20°	353.6	43.5
20°-30°	102.1	12.6
30°-40°	21.6	2.7
40°-50°	5.3	0.7
50°-60°	1.5	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°	783.9	96.4
0°-40°	805.5	99.1
0°-60°	812.3	99.9
0°-90°	813.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4218	
5°	3876	328
15°	1249	354
25°	197	102
35°	31	22
45°	6	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278610

CATALOG NUMBER: LDA2B109024D010 EU2B10NFL259024 2LBAD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4218.5
1°	4192.0
2°	4147.2
3°	4086.6
4°	4000.7
5°	3875.7
6°	3707.0
7°	3486.8
8°	3216.1
9°	2900.5
10°	2581.9
11°	2259.8
12°	1955.7
13°	1685.7
14°	1448.3
15°	1248.6
17.5°	825.2
20°	518.8
22.5°	319.0
25°	196.7
27.5°	120.0
30°	74.0
32.5°	46.8
35°	30.7
37.5°	20.3
40°	13.8
42.5°	9.6
45°	6.1
47.5°	3.8
50°	3.1
52.5°	2.3
55°	1.5
57.5°	1.2
60°	0.8
62.5°	0.8
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: P278610

CATALOG NUMBER: LDA2B109024D010 EU2B10NFL259024 2LBAD1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)