

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: P278698

Luminaire Tested: **LDA2B109050D010 EU2B10NFL259050 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278698
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: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 928.6 lumens
Efficiency: N/A
Efficacy: 92.9 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

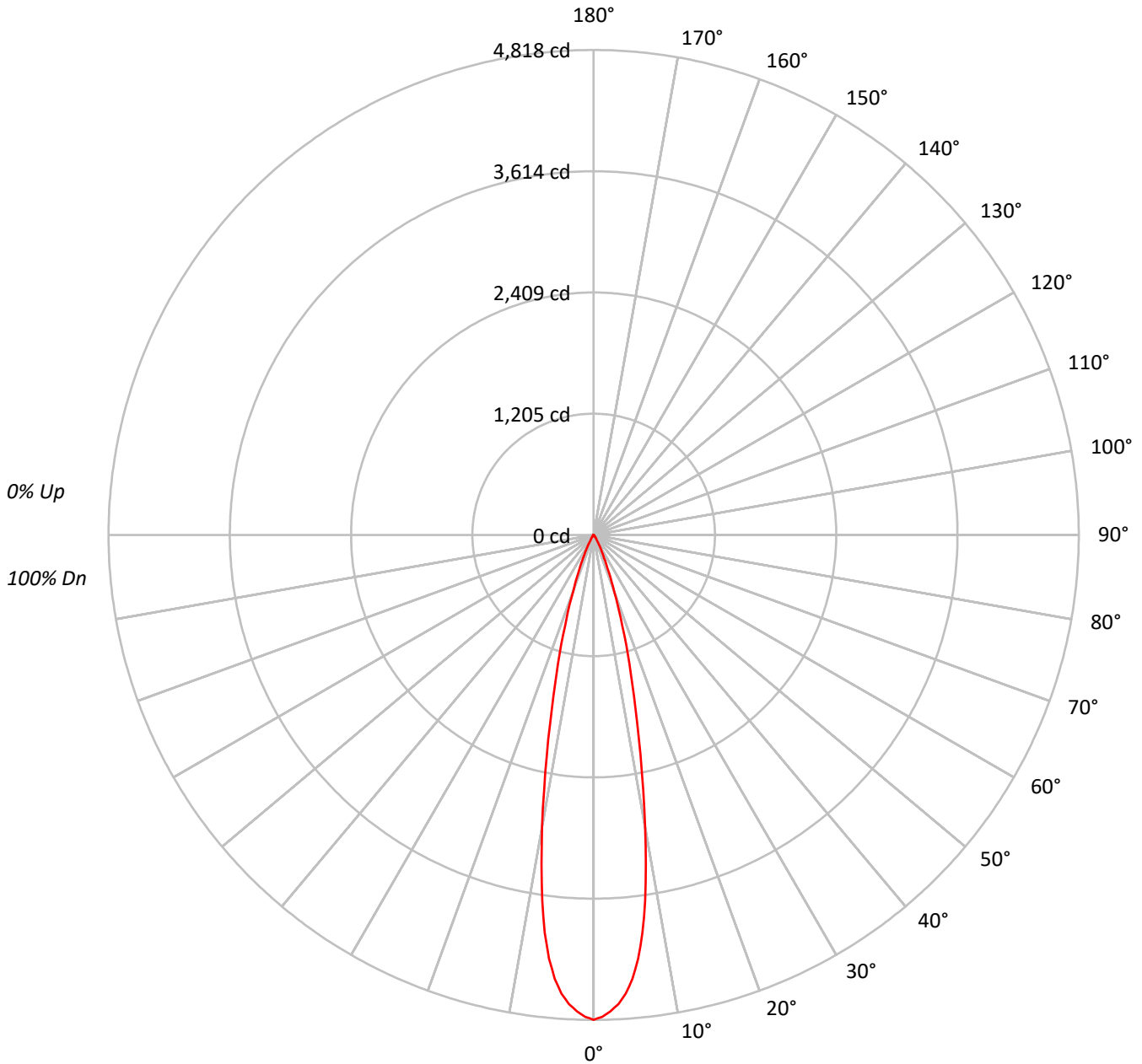
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278698

CATALOG NUMBER: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P278698

CATALOG NUMBER: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI

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°	2377017
5°	2192208
10°	1477268
15°	728352
20°	311130
25°	122319
30°	48138
35°	21080
40°	10176
45°	4884
50°	2686
55°	1548
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278698

CATALOG NUMBER: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.0	40.4
10°-20°	403.8	43.5
20°-30°	116.6	12.6
30°-40°	24.6	2.6
40°-50°	6.1	0.7
50°-60°	1.7	0.2
60°-70°	0.6	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°	895.4	96.4
0°-40°	920.0	99.1
0°-60°	927.8	99.9
0°-90°	928.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4818	
5°	4426	375
15°	1426	404
25°	225	117
35°	35	25
45°	7	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278698

CATALOG NUMBER: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4818.0
1°	4787.8
2°	4736.6
3°	4667.4
4°	4569.3
5°	4426.5
6°	4233.8
7°	3982.4
8°	3673.2
9°	3312.7
10°	2948.8
11°	2580.9
12°	2233.6
13°	1925.3
14°	1654.2
15°	1426.0
17.5°	942.5
20°	592.6
22.5°	364.4
25°	224.7
27.5°	137.1
30°	84.5
32.5°	53.4
35°	35.0
37.5°	23.2
40°	15.8
42.5°	10.9
45°	7.0
47.5°	4.4
50°	3.5
52.5°	2.6
55°	1.8
57.5°	1.3
60°	0.9
62.5°	0.9
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: P278698

CATALOG NUMBER: LDA2B109050D010 EU2B10NFL259050 2LBALD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)