

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: P278682

Luminaire Tested: **LDA2B109040D010 EU2B10NFL259040 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278682
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: LDA2B109040D010 EU2B10NFL259040 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: 903.9 lumens
Efficiency: N/A
Efficacy: 90.4 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

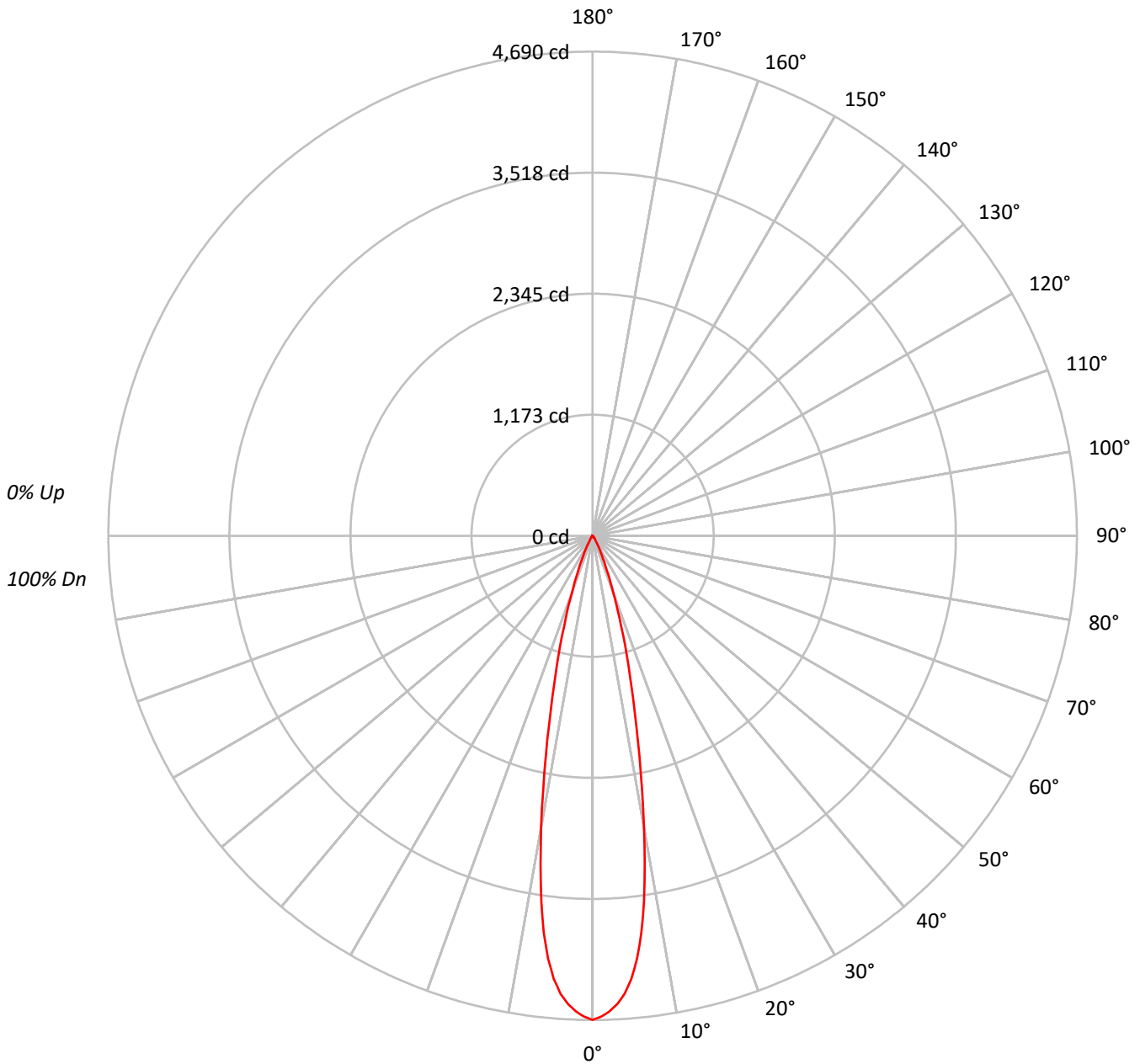
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278682

CATALOG NUMBER: LDA2B109040D010 EU2B10NFL259040 2LBALD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P278682

CATALOG NUMBER: LDA2B109040D010 EU2B10NFL259040 2LBALD1LI

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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	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	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	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	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	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	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	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	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	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	78	78	78													
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2313719
5°	2133818
10°	1437942
15°	708943
20°	302834
25°	119053
30°	46885
35°	20538
40°	9854
45°	4744
50°	2610
55°	1462
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278682

CATALOG NUMBER: LDA2B109040D010 EU2B10NFL259040 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.0	40.4
10°-20°	393.1	43.5
20°-30°	113.5	12.6
30°-40°	24.0	2.6
40°-50°	5.9	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°	871.5	96.4
0°-40°	895.5	99.1
0°-60°	903.1	99.9
0°-90°	903.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4690	
5°	4309	365
15°	1388	393
25°	219	113
35°	34	24
45°	7	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278682

CATALOG NUMBER: LDA2B109040D010 EU2B10NFL259040 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4689.7
1°	4660.3
2°	4610.4
3°	4543.1
4°	4447.6
5°	4308.6
6°	4121.0
7°	3876.3
8°	3575.4
9°	3224.5
10°	2870.3
11°	2512.2
12°	2174.1
13°	1874.0
14°	1610.1
15°	1388.0
17.5°	917.4
20°	576.8
22.5°	354.7
25°	218.7
27.5°	133.4
30°	82.3
32.5°	52.0
35°	34.1
37.5°	22.6
40°	15.3
42.5°	10.7
45°	6.8
47.5°	4.3
50°	3.4
52.5°	2.6
55°	1.7
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: P278682

CATALOG NUMBER: LDA2B109040D010 EU2B10NFL259040 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)