

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: P278627

Luminaire Tested: **LDA2B109027D010 EU2B10NFL259027 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278627
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: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 876.1 lumens
Efficiency: N/A
Efficacy: 87.6 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

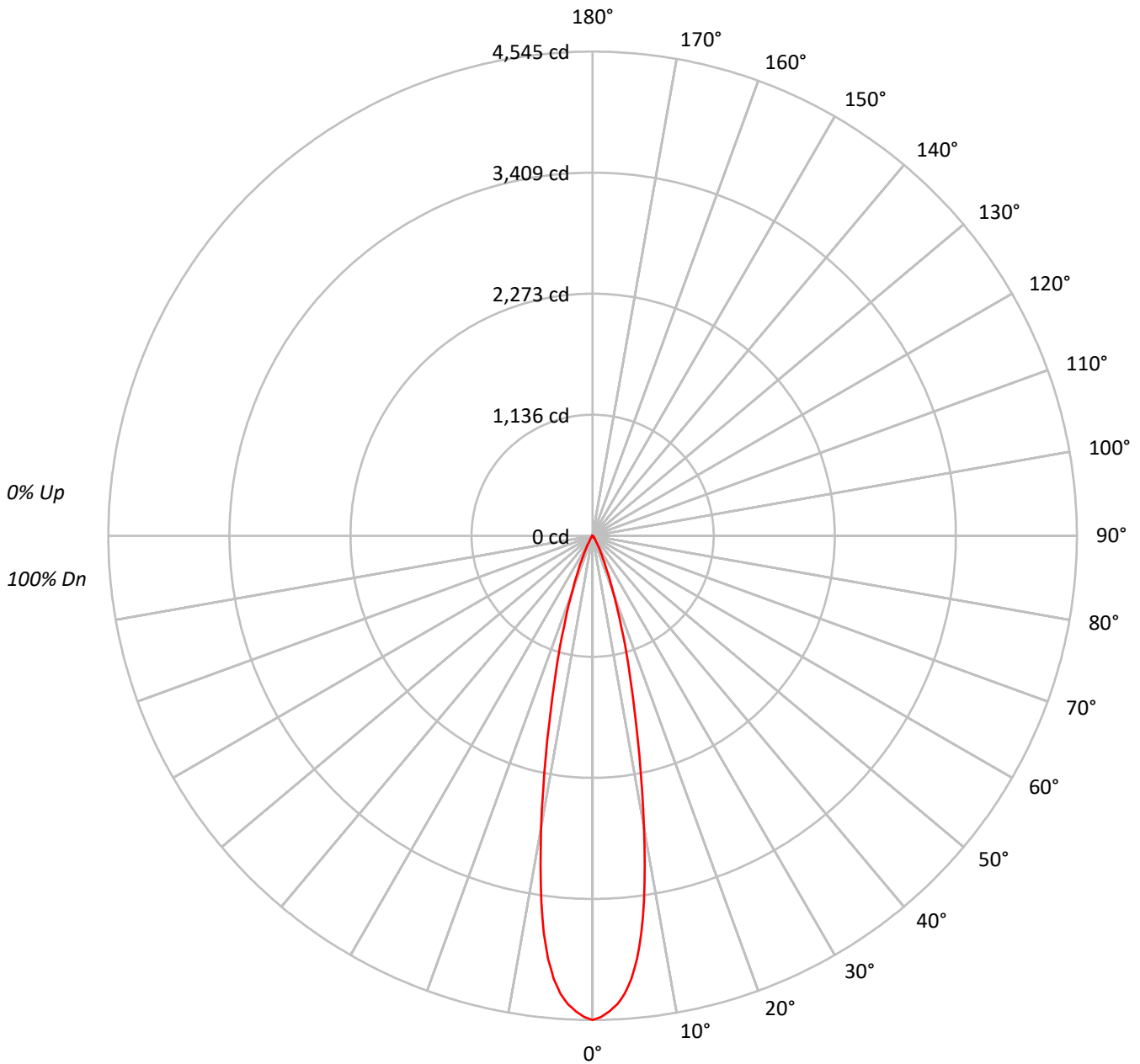
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278627

CATALOG NUMBER: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P278627

CATALOG NUMBER: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI

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°	2242527
5°	2068149
10°	1393656
15°	687133
20°	293489
25°	115405
30°	45404
35°	19936
40°	9596
45°	4605
50°	2533
55°	1462
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278627

CATALOG NUMBER: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	40.4
10°-20°	381.0	43.5
20°-30°	110.0	12.6
30°-40°	23.2	2.7
40°-50°	5.7	0.7
50°-60°	1.6	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°	844.7	96.4
0°-40°	867.9	99.1
0°-60°	875.3	99.9
0°-90°	876.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4545	
5°	4176	354
15°	1345	381
25°	212	110
35°	33	23
45°	7	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278627

CATALOG NUMBER: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4545.4
1°	4516.9
2°	4468.5
3°	4403.3
4°	4310.7
5°	4176.0
6°	3994.2
7°	3757.0
8°	3465.3
9°	3125.3
10°	2781.9
11°	2434.9
12°	2107.2
13°	1816.3
14°	1560.6
15°	1345.3
17.5°	889.2
20°	559.0
22.5°	343.8
25°	212.0
27.5°	129.3
30°	79.7
32.5°	50.4
35°	33.1
37.5°	21.9
40°	14.9
42.5°	10.3
45°	6.6
47.5°	4.1
50°	3.3
52.5°	2.5
55°	1.7
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: P278627

CATALOG NUMBER: LDA2B109027D010 EU2B10NFL259027 2LBAD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)