

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: P279506

Luminaire Tested: **LDA2B109024D010 EU2B10FL409024 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B109024D010 EU2B10FL409024 2LBAD1H
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 835.4 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

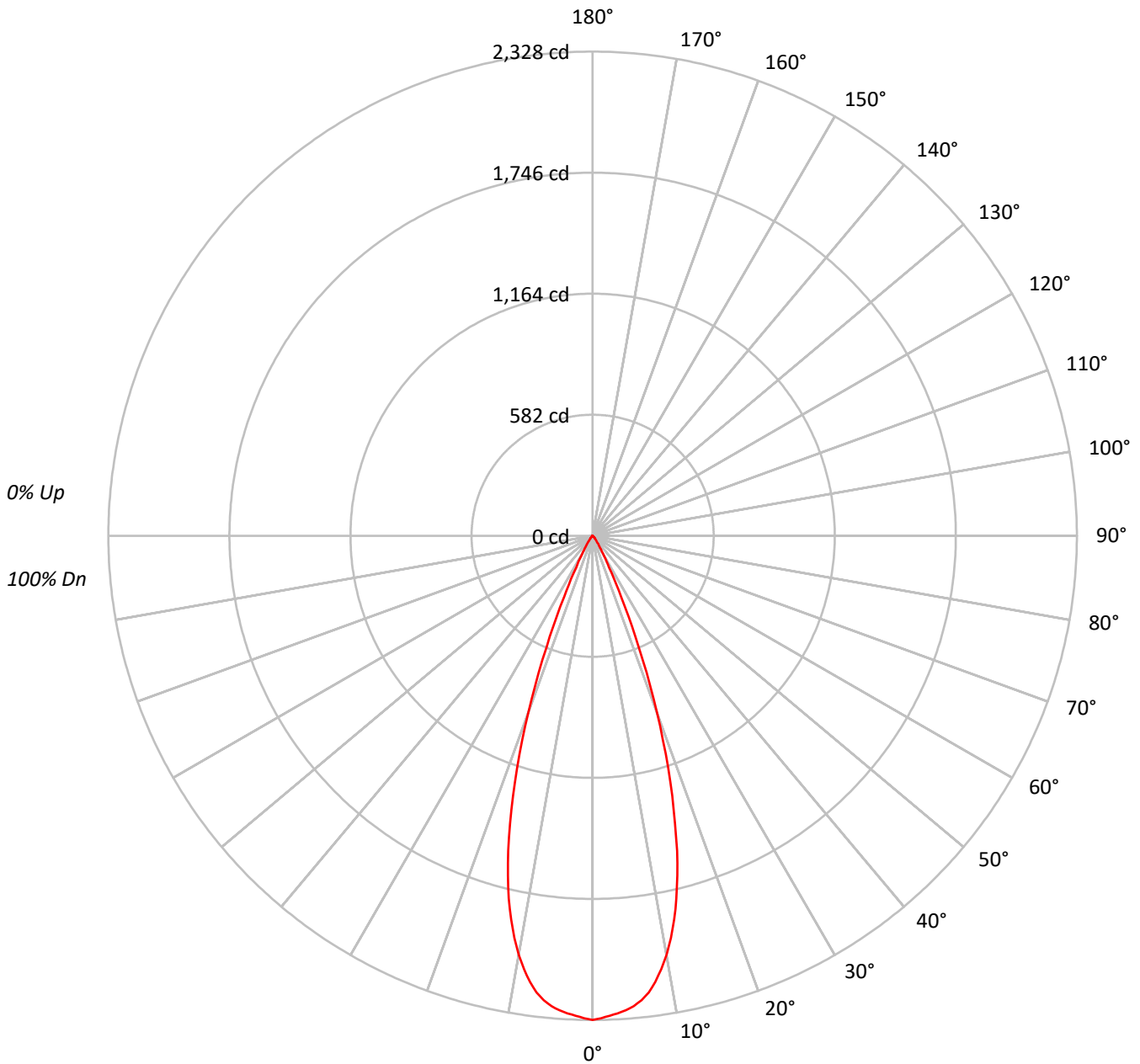
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279506

CATALOG NUMBER: LDA2B109024D010 EU2B10FL409024 2LBAD1H

Luminous Intensity Polar Plot





TEST NUMBER: P279506

CATALOG NUMBER: LDA2B109024D010 EU2B10FL409024 2LBAD1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96													96															
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92													92															
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89													89															
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85													85															
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82													82															
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79													79															
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77													77															
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74													74															
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72													72															
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69													69															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1148645
5°	1124358
10°	1024790
15°	800523
20°	473940
25°	176211
30°	55032
35°	24513
40°	11335
45°	5372
50°	2917
55°	1634
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P279506

CATALOG NUMBER: LDA2B109024D010 EU2B10FL409024 2LBAD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	25.1
10°-20°	417.3	50.0
20°-30°	170.9	20.5
30°-40°	28.3	3.4
40°-50°	6.7	0.8
50°-60°	1.8	0.2
60°-70°	0.4	0.1
70°-80°	0.1	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°	798.1	95.5
0°-40°	826.4	98.9
0°-60°	834.9	99.9
0°-90°	835.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2328	
5°	2270	210
15°	1567	417
25°	324	171
35°	41	28
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279506

CATALOG NUMBER: LDA2B109024D010 EU2B10FL409024 2LBAD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2328.2
1°	2320.1
2°	2309.4
3°	2299.8
4°	2287.2
5°	2270.3
6°	2245.4
7°	2212.8
8°	2166.4
9°	2110.0
10°	2045.6
11°	1970.8
12°	1886.4
13°	1790.1
14°	1683.2
15°	1567.3
17.5°	1242.9
20°	902.7
22.5°	577.9
25°	323.7
27.5°	170.7
30°	96.6
32.5°	61.4
35°	40.7
37.5°	26.8
40°	17.6
42.5°	11.5
45°	7.7
47.5°	5.4
50°	3.8
52.5°	2.7
55°	1.9
57.5°	1.2
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279506

CATALOG NUMBER: LDA2B109024D010 EU2B10FL409024 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)