

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: P1191938

Luminaire Tested: **LDA4A35940D010TE LAR35FL 4LAL1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1191938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26146)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A35940D010TE LAR35FL 4LAL1
Description: PORTFOLIO 4" Lensed Adjustable, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

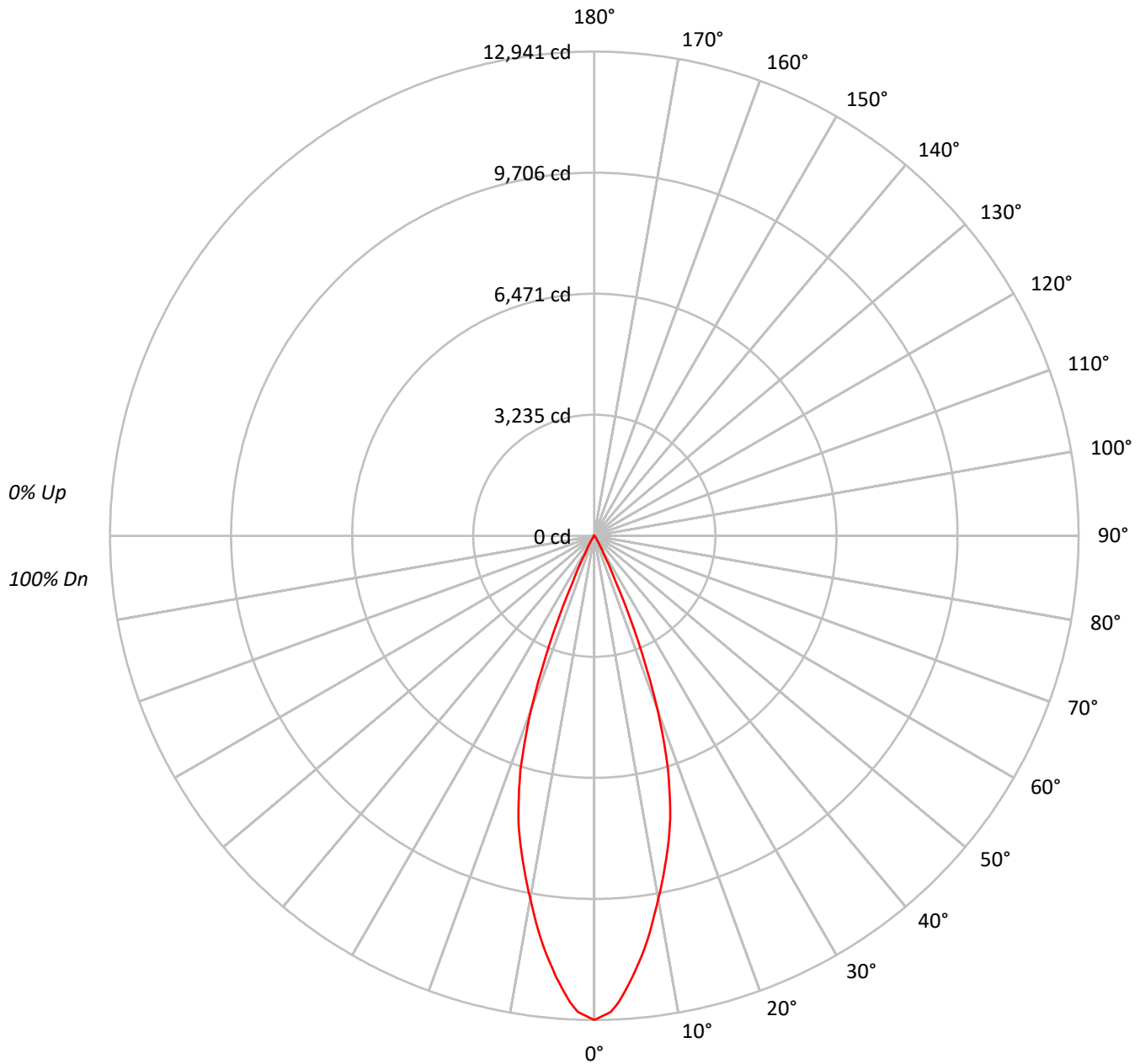
Lumens per Lamp: N/A
Luminaire Lumens: 4056.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47.1
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	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		100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		96
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		93
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		90
4	104	98	94	91	102	97	93	91	95	92	90		93	91	89		86
5	101	94	90	87	99	94	90	87	92	89	86		90	88	85		83
6	97	91	87	83	96	90	86	83	89	85	83		88	85	82		81
7	94	88	83	80	93	87	83	80	86	82	80		85	82	79		78
8	92	85	80	77	91	84	80	77	83	80	77		82	79	77		75
9	89	82	78	75	88	82	77	75	81	77	74		80	77	74		73
10	86	79	75	72	86	79	75	72	78	75	72		78	74	72		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1596191
5°	1463180
10°	1234010
15°	1000619
20°	648000
25°	186834
30°	40820
35°	11579
40°	4347
45°	1814
50°	806
55°	452
60°	518
65°	613
70°	757
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1064.8	26.3
10°-20°	2102.4	51.8
20°-30°	809.9	20.0
30°-40°	64.1	1.6
40°-50°	9.2	0.2
50°-60°	2.1	0.1
60°-70°	2.1	0.1
70°-80°	0.8	0.0
80°-90°	1.1	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°	3977.1	98.1
0°-40°	4041.2	99.6
0°-60°	4052.5	99.9
0°-90°	4056.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12941	
5°	11817	###
15°	7836	2102
25°	1373	810
35°	77	64
45°	10	9
55°	2	2
65°	2	2
75°	0	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12940.8
1°	12837.0
2°	12731.1
3°	12481.8
4°	12153.8
5°	11817.3
6°	11447.6
7°	11088.4
8°	10691.6
9°	10261.8
10°	9852.5
11°	9462.1
12°	9055.1
13°	8666.7
14°	8270.1
15°	7835.9
17.5°	6560.8
20°	4936.7
22.5°	3051.0
25°	1372.8
27.5°	527.6
30°	286.6
32.5°	147.5
35°	76.9
37.5°	45.7
40°	27.0
42.5°	16.6
45°	10.4
47.5°	6.2
50°	4.2
52.5°	2.1
55°	2.1
57.5°	2.1
60°	2.1
62.5°	2.1
65°	2.1
67.5°	2.1
70°	2.1
72.5°	0.0
75°	0.0
77.5°	2.1
80°	0.0
82.5°	0.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

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— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	2.1

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(END OF REPORT)