

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: P1191423

Luminaire Tested: **LDA4A10927D010TE LAR15SP 4LFC1**

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: P1191423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26141)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10927D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

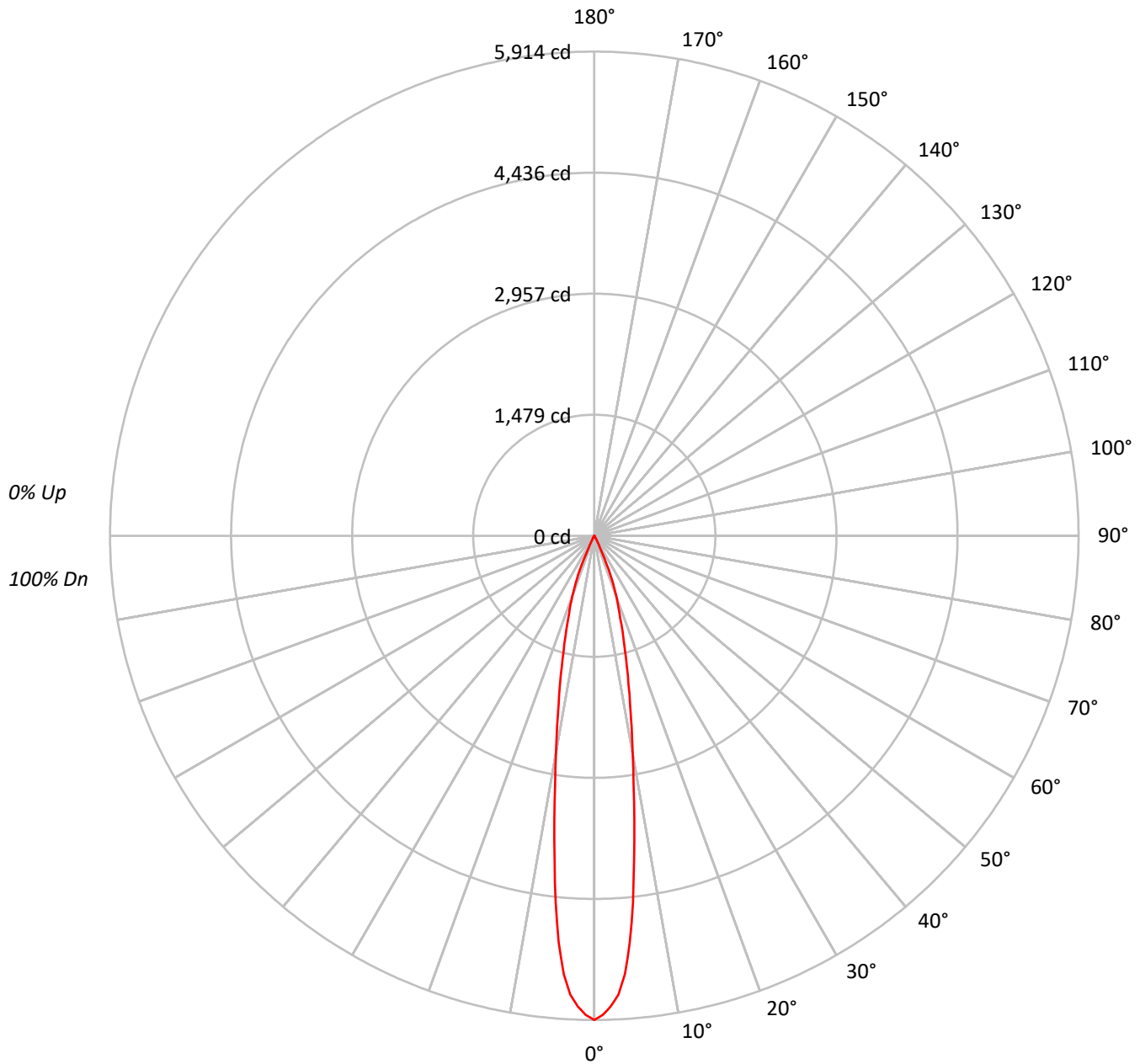
Lumens per Lamp: N/A
Luminaire Lumens: 933.7 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	109	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95		
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92		
4	106	101	97	94	104	100	97	94	98	95	93	96	94	92	94	92	91	90		
5	103	98	94	91	102	97	93	91	95	92	90	94	91	89	92	90	89	88		
6	100	95	91	88	99	94	91	88	93	90	87	92	89	87	91	88	86	85		
7	98	92	88	86	97	92	88	86	91	87	85	90	87	85	89	86	84	83		
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	81		
9	94	88	84	81	93	87	84	81	86	83	81	86	83	81	85	82	81	80		
10	91	85	82	79	91	85	82	79	84	81	79	84	81	79	83	81	79	78		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	729528
5°	616830
10°	338033
15°	184535
20°	102791
25°	23749
30°	4586
35°	1325
40°	467
45°	174
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.3	42.0
10°-20°	410.4	44.0
20°-30°	123.1	13.2
30°-40°	7.1	0.8
40°-50°	0.8	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	925.8	99.1
0°-40°	932.9	99.9
0°-60°	933.7	100.0
0°-90°	933.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5914	
5°	4982	392
15°	1445	410
25°	174	123
35°	9	7
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5914.5
1°	5856.3
2°	5751.2
3°	5610.5
4°	5366.9
5°	4981.8
6°	4505.1
7°	3986.5
8°	3504.5
9°	3064.0
10°	2698.9
11°	2382.7
12°	2101.6
13°	1858.5
14°	1641.1
15°	1445.1
17.5°	1050.1
20°	783.1
22.5°	516.3
25°	174.5
27.5°	60.6
30°	32.2
32.5°	16.2
35°	8.8
37.5°	4.8
40°	2.9
42.5°	1.5
45°	1.0
47.5°	0.5
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)