

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: P1191420

Luminaire Tested: **LDA4A10927D010TE LAR15SP 4LA1**

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: P1191420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25628)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10927D010TE LAR15SP 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

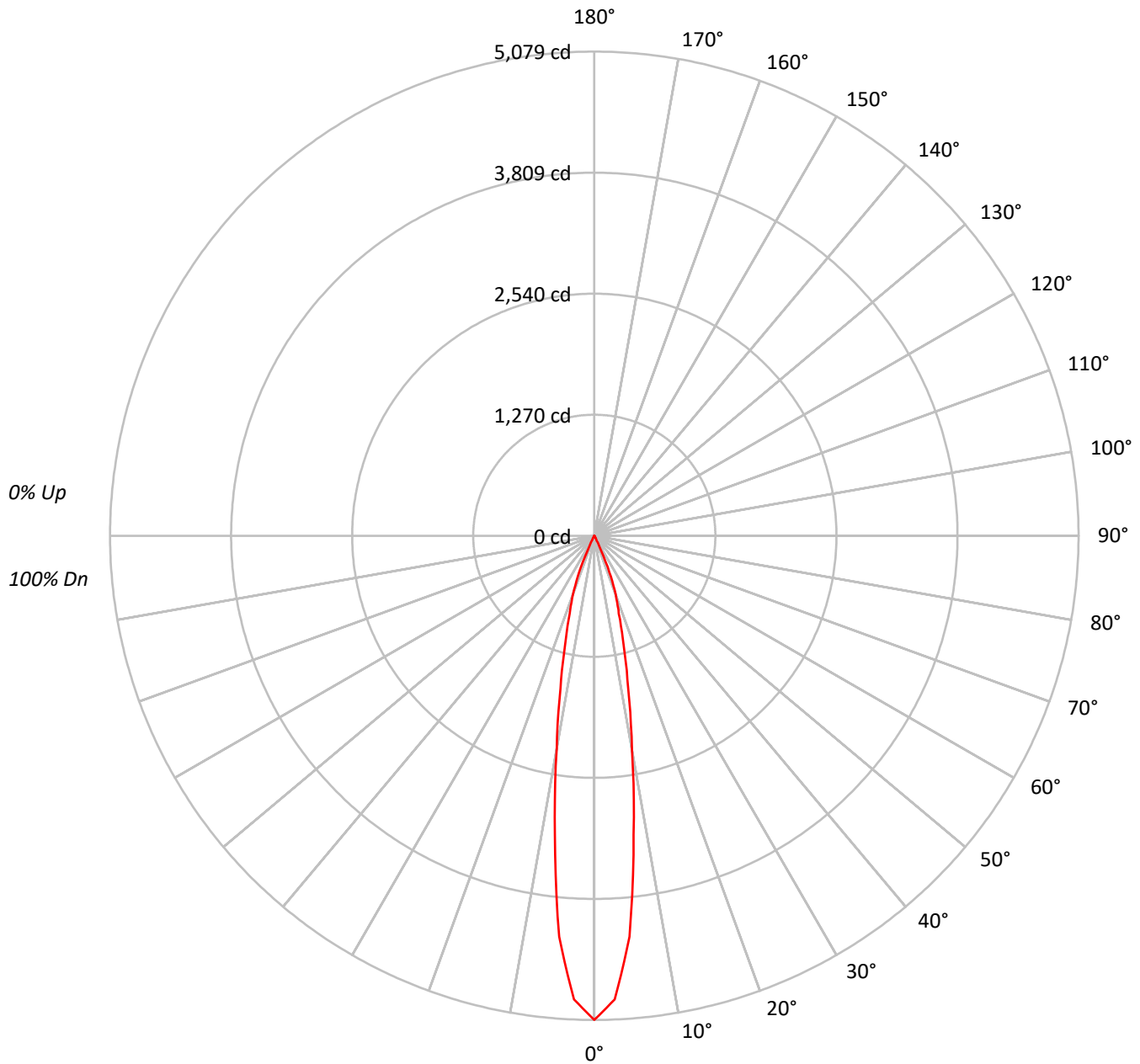
Lumens per Lamp: N/A
Luminaire Lumens: 780.2 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.35
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	626435
5°	522606
10°	284126
15°	150925
20°	85976
25°	16835
30°	3489
35°	1039
40°	386
45°	174
50°	96
55°	108
60°	123
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.6	42.9
10°-20°	340.9	43.7
20°-30°	97.8	12.5
30°-40°	5.6	0.7
40°-50°	0.8	0.1
50°-60°	0.4	0.1
60°-70°	0.1	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°	773.3	99.1
0°-40°	778.9	99.8
0°-60°	780.2	100.0
0°-90°	780.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5079	
5°	4221	335
15°	1182	341
25°	124	98
35°	7	6
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°	5078.7
2.5°	4868.5
5°	4220.8
7.5°	3162.1
10°	2268.5
12.5°	1636.0
15°	1181.9
17.5°	855.5
20°	655.0
22.5°	413.1
25°	123.7
27.5°	47.4
30°	24.5
32.5°	12.7
35°	6.9
37.5°	3.9
40°	2.4
42.5°	1.5
45°	1.0
47.5°	0.5
50°	0.5
52.5°	0.5
55°	0.5
57.5°	0.5
60°	0.5
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
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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(END OF REPORT)