

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: P1191513

Luminaire Tested: **LDA4A15927D010TE 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: P1191513
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: LDA4A15927D010TE 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

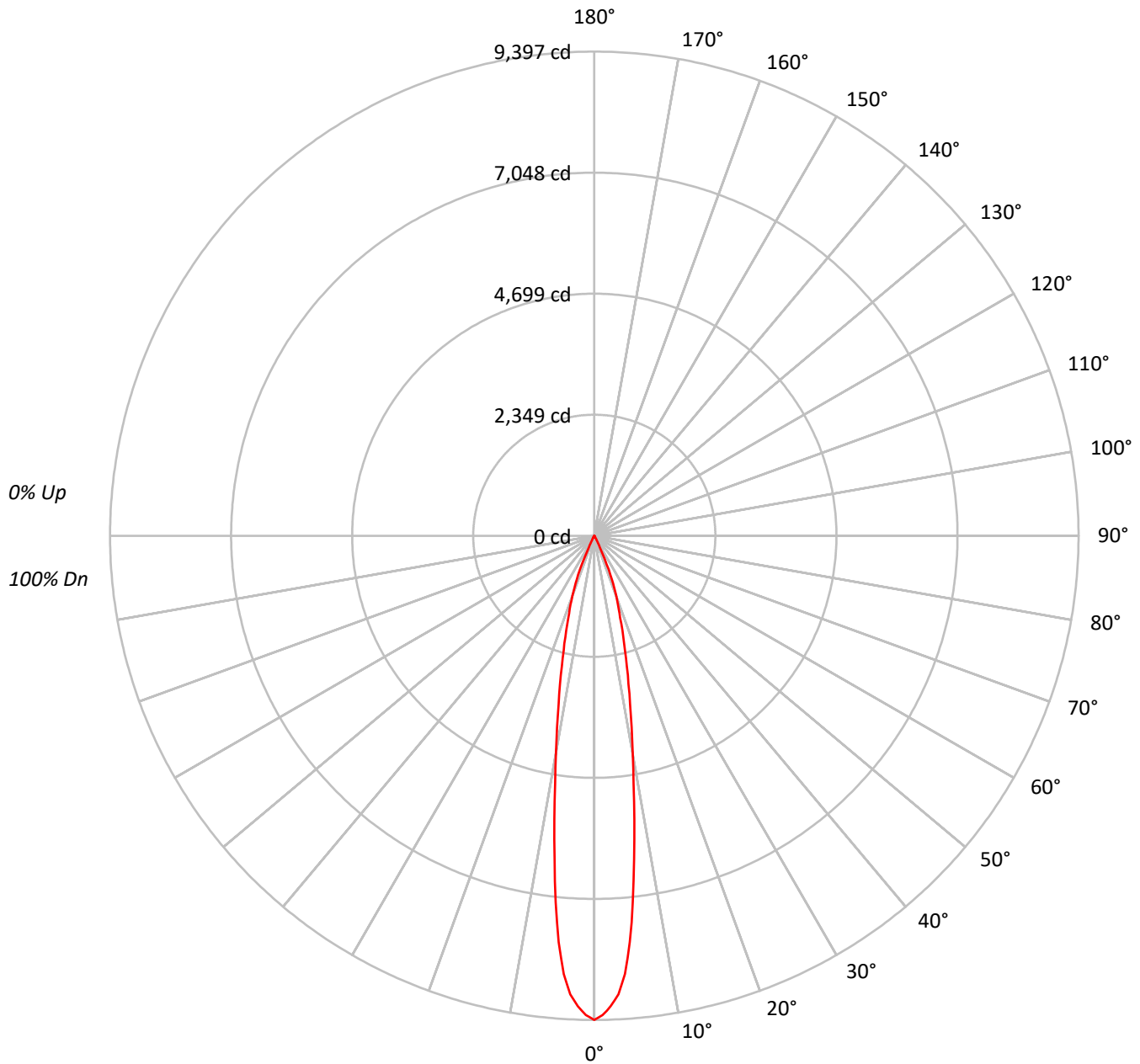
Lumens per Lamp: N/A
Luminaire Lumens: 1483.5 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

TEST NUMBER: P1191513

CATALOG NUMBER: LDA4A15927D010TE LAR15SP 4LFC1

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191513

CATALOG NUMBER: LDA4A15927D010TE LAR15SP 4LFC1

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1159079
5°	980022
10°	537065
15°	293166
20°	163316
25°	37726
30°	7307
35°	2108
40°	741
45°	262
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P1191513

CATALOG NUMBER: LDA4A15927D010TE LAR15SP 4LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.3	42.0
10°-20°	652.1	44.0
20°-30°	195.5	13.2
30°-40°	11.3	0.8
40°-50°	1.3	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°	1470.9	99.2
0°-40°	1482.2	99.9
0°-60°	1483.5	100.0
0°-90°	1483.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1483.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9397	
5°	7915	623
15°	2296	652
25°	277	196
35°	14	11
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1191513

CATALOG NUMBER: LDA4A15927D010TE LAR15SP 4LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	9397.0
1°	9304.5
2°	9137.6
3°	8914.0
4°	8527.1
5°	7915.1
6°	7157.9
7°	6333.8
8°	5568.0
9°	4868.2
10°	4288.0
11°	3785.5
12°	3338.9
13°	2953.0
14°	2607.3
15°	2295.8
17.5°	1668.3
20°	1244.2
22.5°	820.2
25°	277.2
27.5°	96.3
30°	51.3
32.5°	25.6
35°	14.0
37.5°	7.8
40°	4.6
42.5°	2.3
45°	1.5
47.5°	0.8
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

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

Scaled Data Report



TEST NUMBER: P1191513

CATALOG NUMBER: LDA4A15927D010TE LAR15SP 4LFC1

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



85°	0.0
87.5°	0.0

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)