

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: P1191549

Luminaire Tested: **LDA4A15935D010TE 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: P1191549
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: LDA4A15935D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

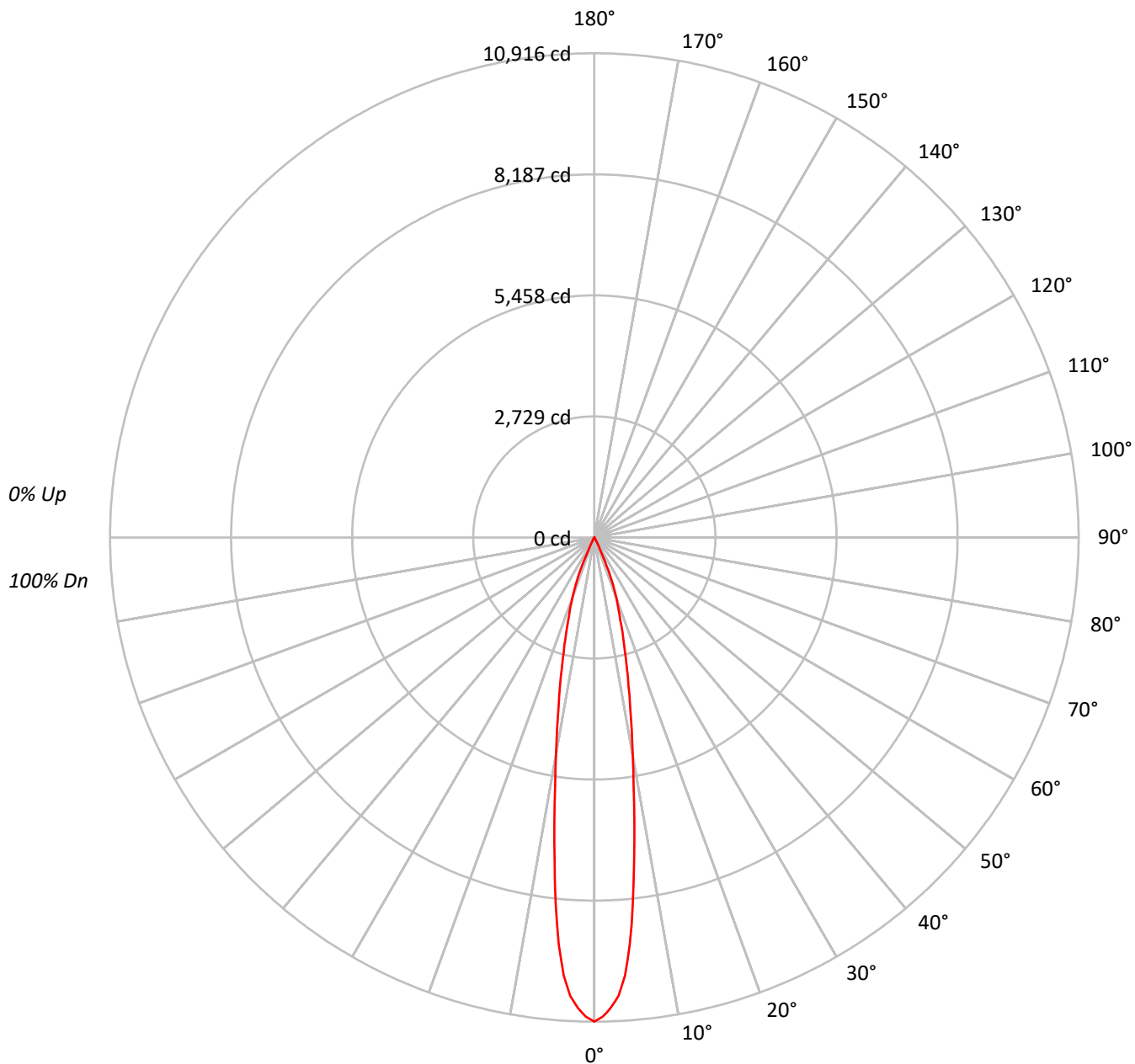
Lumens per Lamp: N/A
Luminaire Lumens: 1723.3 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P1191549

CATALOG NUMBER: LDA4A15935D010TE LAR15SP 4LFC1

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191549

CATALOG NUMBER: LDA4A15935D010TE 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		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	103	110	107	104	102	104	102	100		101	99	98		95
3	109	104	101	98	107	103	100	98	101	98	96		98	96	95		92
4	106	101	97	94	104	100	97	94	98	95	93		96	94	92		90
5	103	98	94	91	102	97	93	91	95	92	90		94	91	89		88
6	100	95	91	88	99	94	91	88	93	90	87		92	89	87		85
7	98	92	88	86	97	92	88	86	91	87	85		90	87	85		83
8	96	90	86	83	95	89	86	83	88	85	83		88	85	83		81
9	94	87	84	81	93	87	84	81	86	83	81		86	83	81		80
10	91	85	82	79	91	85	82	79	84	81	79		84	81	79		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1346429
5°	1138433
10°	623875
15°	340567
20°	189712
25°	43837
30°	8489
35°	2439
40°	886
45°	314
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P1191549

CATALOG NUMBER: LDA4A15935D010TE LAR15SP 4LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.0	42.0
10°-20°	757.5	44.0
20°-30°	227.1	13.2
30°-40°	13.1	0.8
40°-50°	1.5	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°	1708.6	99.1
0°-40°	1721.8	99.9
0°-60°	1723.3	100.0
0°-90°	1723.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1723.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10916	
5°	9194	724
15°	2667	757
25°	322	227
35°	16	13
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1191549

CATALOG NUMBER: LDA4A15935D010TE LAR15SP 4LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	10915.9
1°	10808.6
2°	10614.6
3°	10354.8
4°	9905.5
5°	9194.5
6°	8314.9
7°	7357.7
8°	6468.0
9°	5655.2
10°	4981.1
11°	4397.5
12°	3878.6
13°	3430.2
14°	3028.8
15°	2667.0
17.5°	1938.0
20°	1445.3
22.5°	952.8
25°	322.1
27.5°	111.8
30°	59.6
32.5°	29.7
35°	16.2
37.5°	9.0
40°	5.5
42.5°	2.7
45°	1.8
47.5°	1.0
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: P1191549

CATALOG NUMBER: LDA4A15935D010TE 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)