

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: P1191435

Luminaire Tested: **LDA4A10927D010TE LAR35FL 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: P1191435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26143)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10927D010TE LAR35FL 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

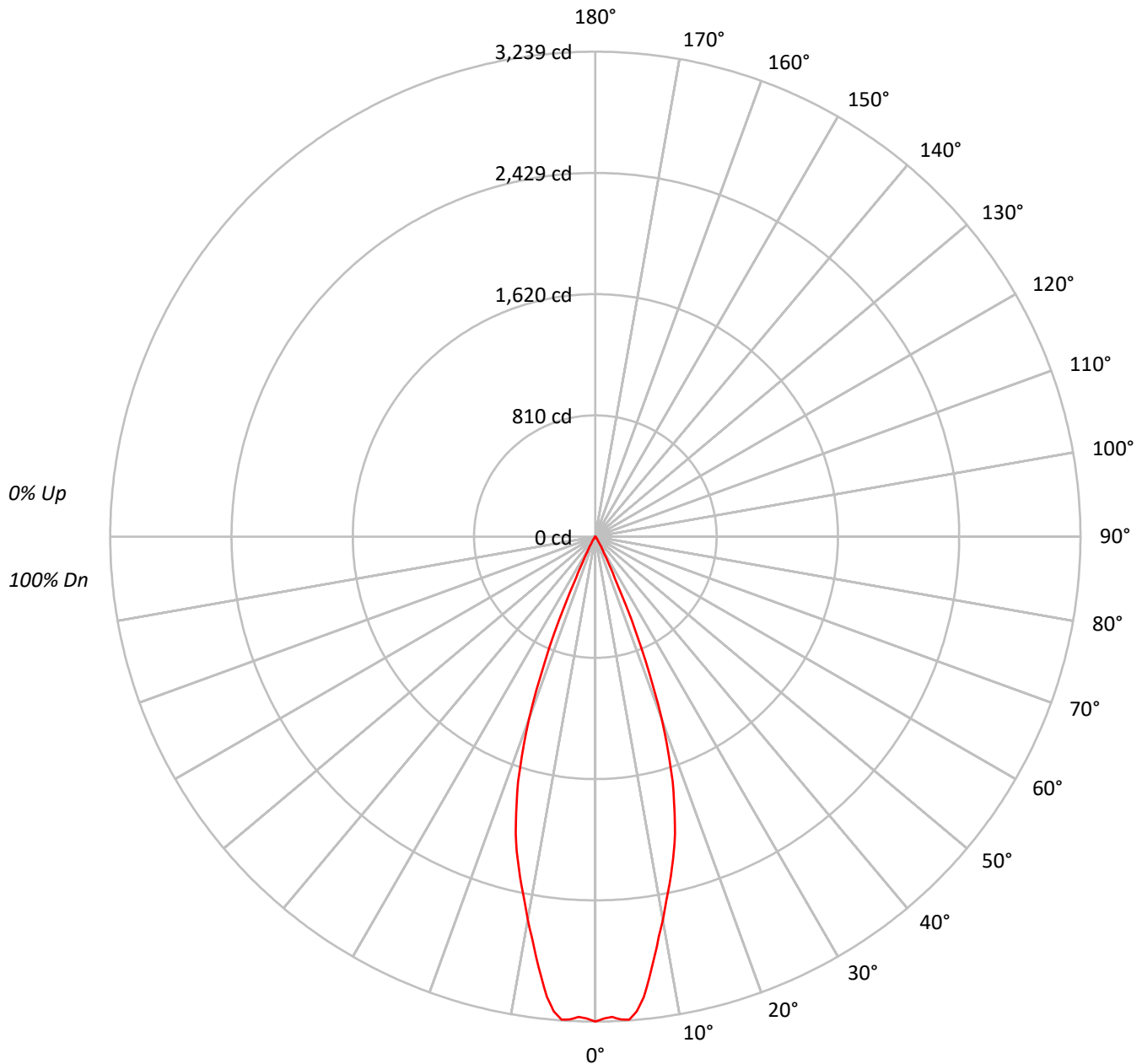
Lumens per Lamp: N/A
Luminaire Lumens: 1052.5 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1191435

CATALOG NUMBER: LDA4A10927D010TE LAR35FL 4LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P1191435

CATALOG NUMBER: LDA4A10927D010TE LAR35FL 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	111	109	113	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	101		103	100	99			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			97	94	92			95
4	104	99	94	91	102	97	94	91		95	92	90			94	91	89			92
5	101	95	91	87	99	94	90	87		92	89	86			91	88	86			89
6	98	91	87	84	96	91	87	84		89	86	83			88	85	83			87
7	95	88	84	81	94	87	83	81		86	83	80			85	82	80			84
8	92	85	81	78	91	85	81	78		84	80	78			83	80	77			82
9	89	82	78	75	88	82	78	75		81	78	75			80	77	75			80
10	87	80	76	73	86	79	76	73		79	75	73			78	75	72			78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	399492
5°	394121
10°	325383
15°	262340
20°	169774
25°	41455
30°	9956
35°	2500
40°	773
45°	174
50°	96
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191435

CATALOG NUMBER: LDA4A10927D010TE LAR35FL 4LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	26.8
10°-20°	551.0	52.4
20°-30°	203.9	19.4
30°-40°	14.3	1.4
40°-50°	1.2	0.1
50°-60°	0.1	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°	1036.9	98.5
0°-40°	1051.2	99.9
0°-60°	1052.5	100.0
0°-90°	1052.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3239	
5°	3183	282
15°	2054	551
25°	305	204
35°	17	14
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1191435

CATALOG NUMBER: LDA4A10927D010TE LAR35FL 4LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3238.8
1°	3219.8
2°	3209.5
3°	3229.5
4°	3234.4
5°	3183.1
6°	3091.6
7°	2964.1
8°	2835.1
9°	2707.5
10°	2597.9
11°	2480.2
12°	2376.1
13°	2272.5
14°	2167.4
15°	2054.4
17.5°	1716.1
20°	1293.4
22.5°	800.2
25°	304.6
27.5°	125.1
30°	69.9
32.5°	33.2
35°	16.6
37.5°	8.8
40°	4.8
42.5°	2.4
45°	1.0
47.5°	0.5
50°	0.5
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

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191435

CATALOG NUMBER: LDA4A10927D010TE LAR35FL 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)