

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: P1191622

Luminaire Tested: **LDA4A20930D010TE LAR15SP 4LPIN**

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: P1191622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A20930D010TE LAR15SP 4LPIN
Description: PORTFOLIO 4" White Pinhole with Black Oculus, Self-flanged, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

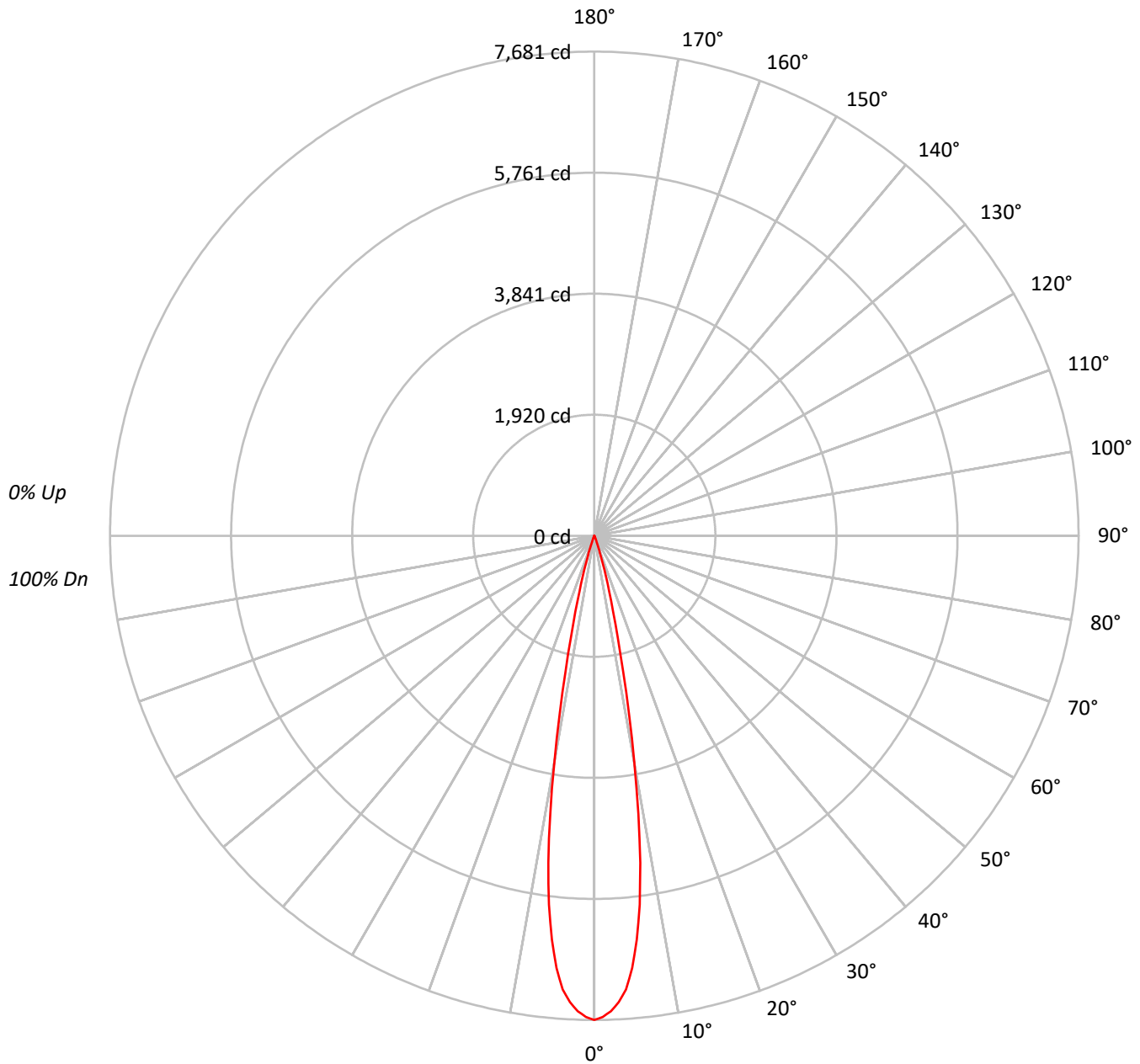
Lumens per Lamp: N/A
Luminaire Lumens: 869.3 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.31
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1191622

CATALOG NUMBER: LDA4A20930D010TE LAR15SP 4LPIN

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191622

CATALOG NUMBER: LDA4A20930D010TE LAR15SP 4LPIN

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	116	114	113	111	114	112	111	109	108	107	106	105	104	103	101	101	100	98		
2	113	110	108	106	111	109	107	105	106	104	103	103	102	100	100	99	98	97		
3	111	107	104	102	109	106	103	101	103	101	100	101	100	98	99	98	97	96		
4	109	104	101	99	107	103	101	99	102	99	97	100	98	96	98	97	95	94		
5	107	102	99	97	105	101	98	96	100	97	96	98	96	95	97	95	94	93		
6	105	100	97	95	104	99	97	94	98	96	94	97	95	93	96	94	93	92		
7	103	98	95	93	102	98	95	93	97	94	92	96	94	92	95	93	92	91		
8	101	97	94	92	101	96	93	91	95	93	91	95	92	91	94	92	91	90		
9	100	95	92	90	99	95	92	90	94	92	90	93	91	90	93	91	89	89		
10	98	94	91	89	98	93	91	89	93	90	89	92	90	89	92	90	88	88		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	947418
5°	852020
10°	458146
15°	115349
20°	15449
25°	3049
30°	840
35°	181
40°	193
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P1191622

CATALOG NUMBER: LDA4A20930D010TE LAR15SP 4LPIN

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.0	63.6
10°-20°	299.7	34.5
20°-30°	15.2	1.8
30°-40°	1.3	0.1
40°-50°	0.1	0.0
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°	867.9	99.8
0°-40°	869.1	100.0
0°-60°	869.3	100.0
0°-90°	869.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7681	
5°	6881	553
15°	903	300
25°	22	15
35°	1	1
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1191622

CATALOG NUMBER: LDA4A20930D010TE LAR15SP 4LPIN

CANDELA DISTRIBUTION (FULL):

	0°
0°	7681.0
1°	7633.8
2°	7546.6
3°	7406.6
4°	7213.5
5°	6881.3
6°	6440.8
7°	5896.8
8°	5240.7
9°	4469.4
10°	3657.9
11°	2876.0
12°	2189.4
13°	1645.2
14°	1237.7
15°	903.3
17.5°	332.2
20°	117.7
22.5°	48.2
25°	22.4
27.5°	10.6
30°	5.9
32.5°	2.3
35°	1.2
37.5°	1.2
40°	1.2
42.5°	0.0
45°	0.0
47.5°	0.0
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: P1191622
CATALOG NUMBER: LDA4A20930D010TE LAR15SP 4LPIN

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)