

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: P1191531

Luminaire Tested: **LDA4A15930D010TE 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: P1191531
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: LDA4A15930D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

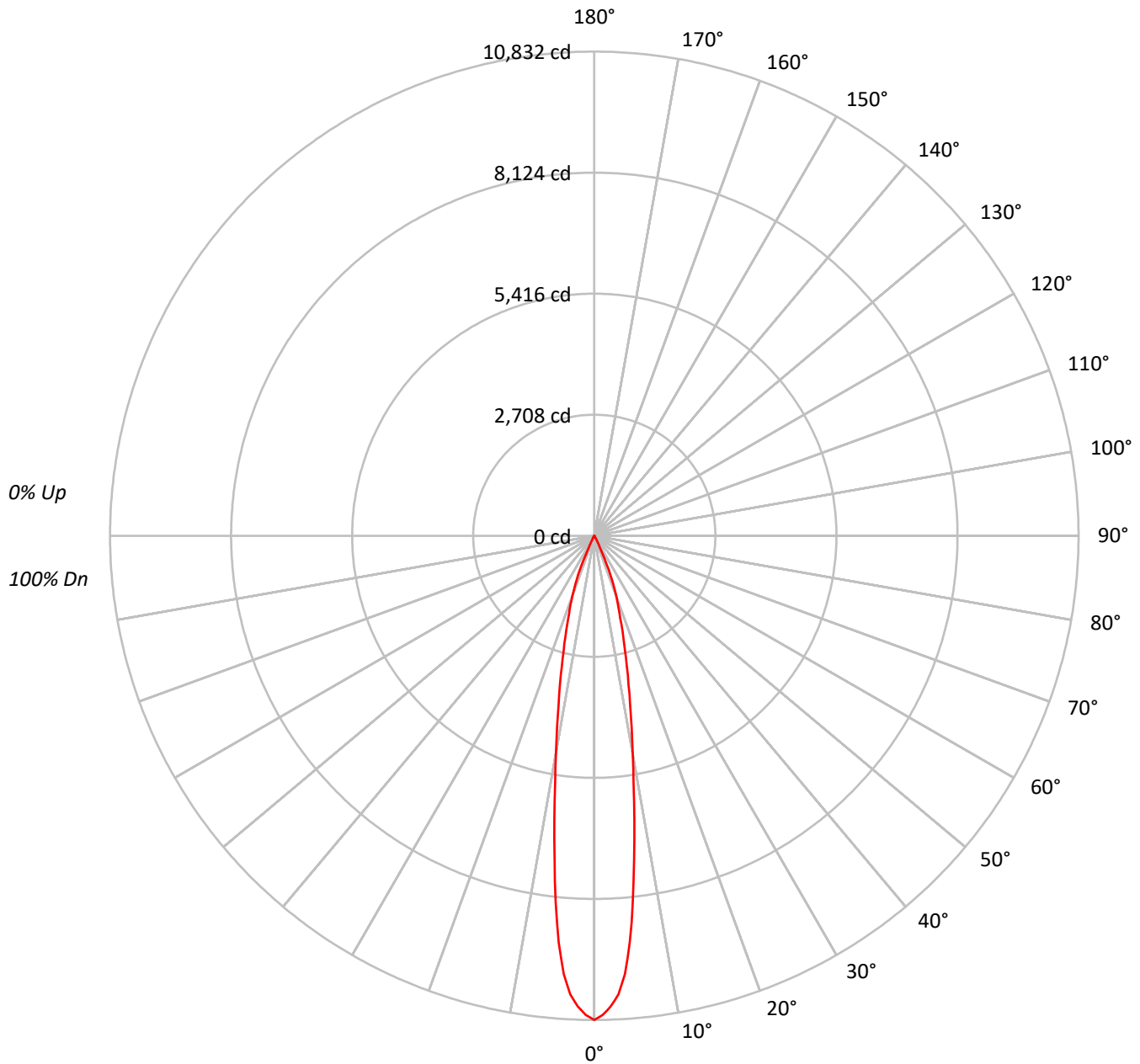
Lumens per Lamp: N/A
Luminaire Lumens: 1710.1 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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		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	87	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°	1336117
5°	1129717
10°	619090
15°	337962
20°	188269
25°	43497
30°	8403
35°	2424
40°	853
45°	314
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.5	42.0
10°-20°	751.7	44.0
20°-30°	225.4	13.2
30°-40°	13.0	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°	1695.5	99.1
0°-40°	1708.6	99.9
0°-60°	1710.1	100.0
0°-90°	1710.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1710.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10832	
5°	9124	718
15°	2647	752
25°	320	225
35°	16	13
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10832.3
1°	10725.7
2°	10533.3
3°	10275.4
4°	9829.5
5°	9124.1
6°	8251.1
7°	7301.2
8°	6418.4
9°	5611.8
10°	4942.9
11°	4363.8
12°	3848.9
13°	3403.9
14°	3005.6
15°	2646.6
17.5°	1923.1
20°	1434.3
22.5°	945.4
25°	319.6
27.5°	111.0
30°	59.0
32.5°	29.6
35°	16.1
37.5°	9.0
40°	5.3
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

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

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— 0°-180°

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85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)