

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: P1191801

Luminaire Tested: **LDA4A30930D010TE 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: P1191801
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: LDA4A30930D010TE 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

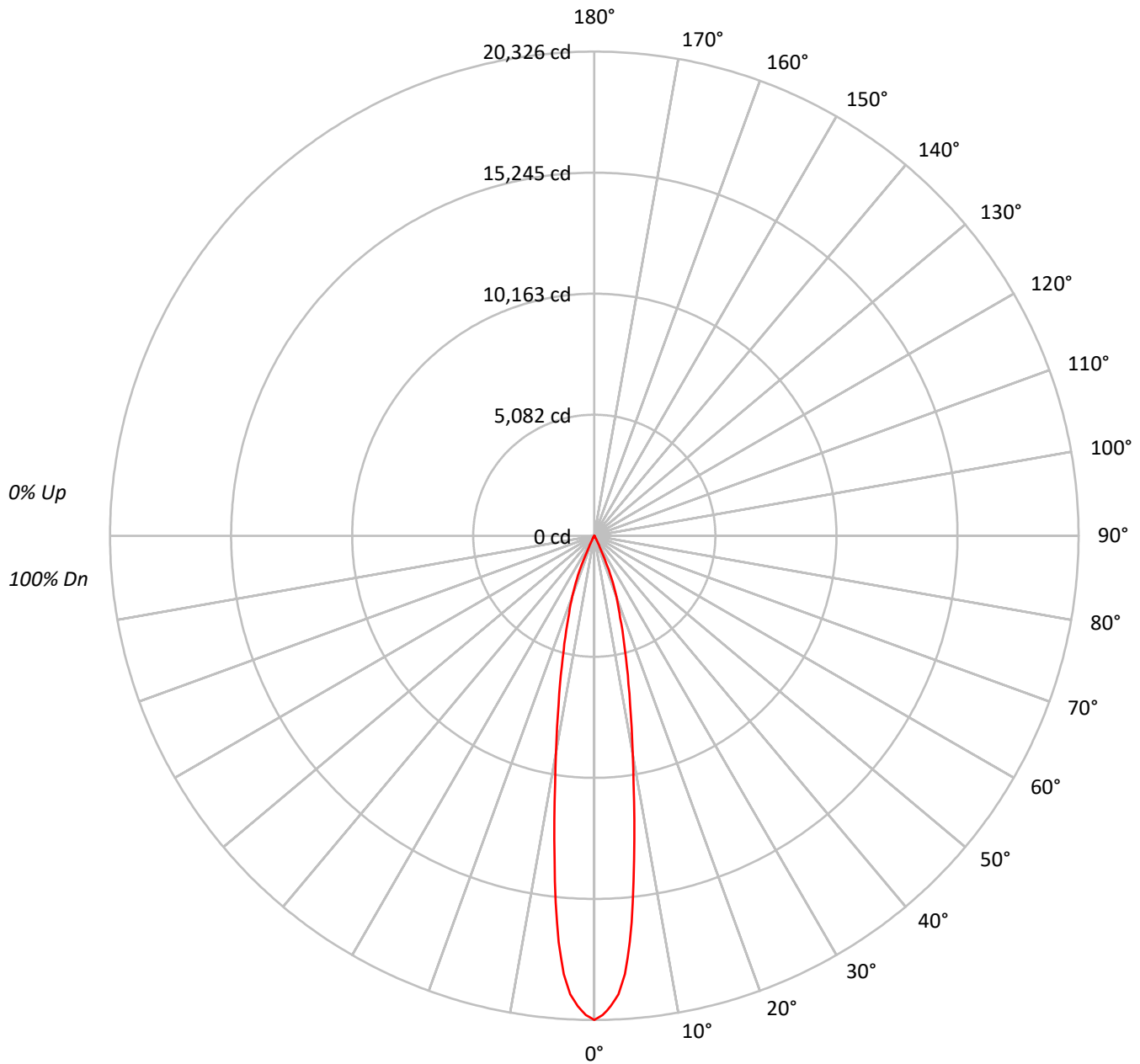
Lumens per Lamp: N/A
Luminaire Lumens: 3208.8 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 39.4
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					0
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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95	95	95
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92	92	92
4	106	101	97	94	104	100	97	94	98	95	93	96	94	92	94	92	91	90	90	90
5	103	98	94	91	102	97	93	91	95	92	90	94	91	89	92	90	89	88	88	88
6	100	95	91	88	99	94	91	88	93	90	87	92	89	87	91	88	86	85	85	85
7	98	92	88	86	97	92	88	86	91	87	85	90	87	85	89	86	84	83	83	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	81	81	81
9	94	88	84	81	93	87	84	81	86	83	81	86	83	81	85	82	81	80	80	80
10	91	85	82	79	91	85	82	79	84	81	79	84	81	79	83	81	79	78	78	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2507111
5°	2119818
10°	1161692
15°	634129
20°	353265
25°	81631
30°	15795
35°	4547
40°	1610
45°	576
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°	1348.2	42.0
10°-20°	1410.4	44.0
20°-30°	422.9	13.2
30°-40°	24.5	0.8
40°-50°	2.8	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°	3181.5	99.2
0°-40°	3206.0	99.9
0°-60°	3208.8	100.0
0°-90°	3208.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3208.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20326	
5°	17121	###
15°	4966	1410
25°	600	423
35°	30	24
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20325.9
1°	20126.1
2°	19764.8
3°	19281.0
4°	18444.4
5°	17120.6
6°	15482.7
7°	13700.2
8°	12043.7
9°	10530.1
10°	9275.1
11°	8188.2
12°	7222.2
13°	6387.3
14°	5639.7
15°	4965.9
17.5°	3608.5
20°	2691.3
22.5°	1774.1
25°	599.8
27.5°	208.3
30°	110.9
32.5°	55.4
35°	30.2
37.5°	16.8
40°	10.0
42.5°	5.0
45°	3.3
47.5°	1.7
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

Scaled Data Report

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)