

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: P1191603

Luminaire Tested: **LDA4A20927D010TE 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: P1191603
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: LDA4A20927D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

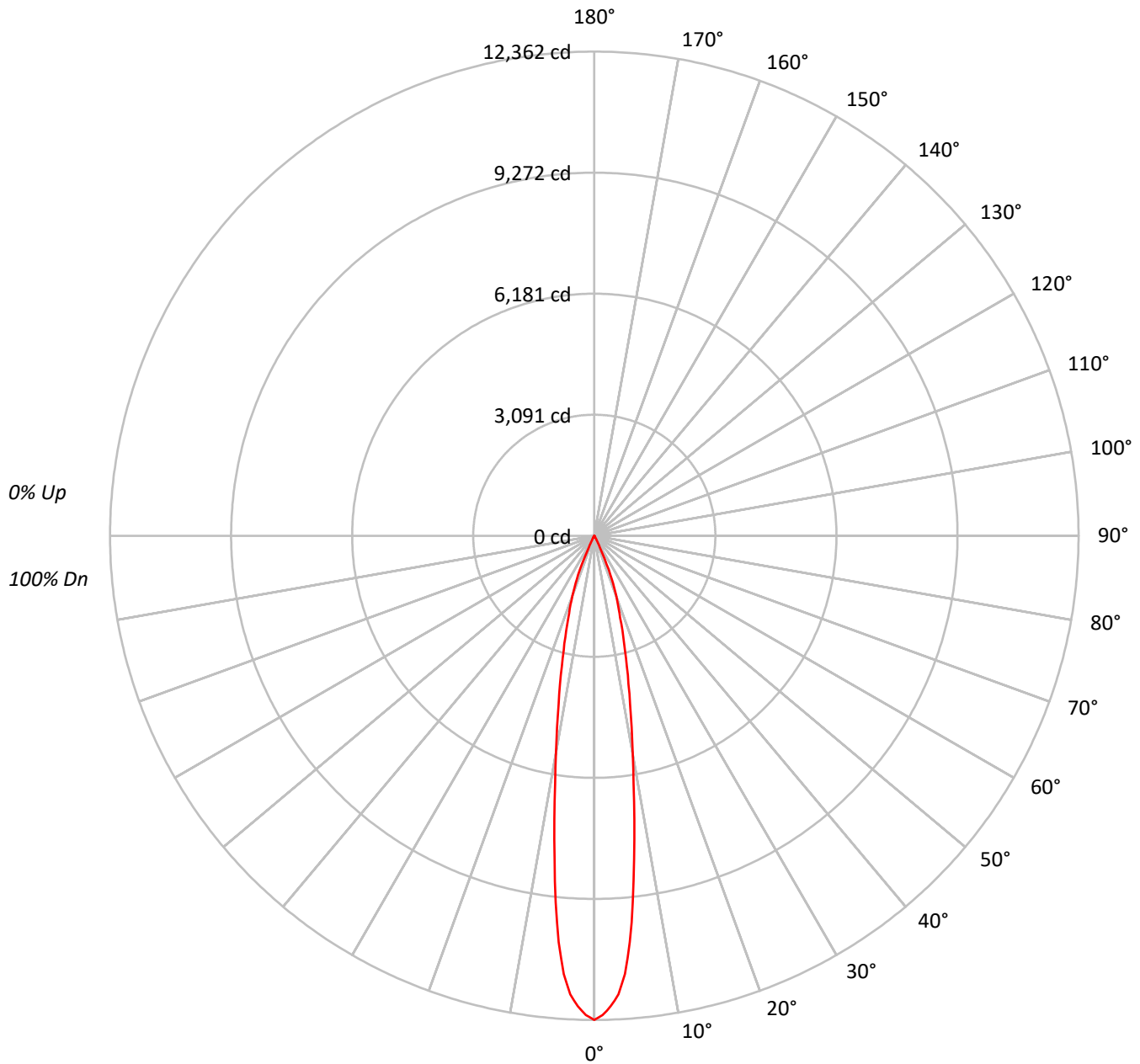
Lumens per Lamp: N/A
Luminaire Lumens: 1951.6 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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		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	88	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°	1524823
5°	1289255
10°	706539
15°	385695
20°	214849
25°	49635
30°	9614
35°	2771
40°	982
45°	349
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°	820.0	42.0
10°-20°	857.8	44.0
20°-30°	257.2	13.2
30°-40°	14.9	0.8
40°-50°	1.7	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°	1935.0	99.1
0°-40°	1949.9	99.9
0°-60°	1951.6	100.0
0°-90°	1951.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12362	
5°	10413	820
15°	3020	858
25°	365	257
35°	18	15
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°	12362.2
1°	12240.6
2°	12020.9
3°	11726.7
4°	11217.9
5°	10412.6
6°	9416.4
7°	8332.5
8°	7324.9
9°	6404.3
10°	5641.1
11°	4980.1
12°	4392.5
13°	3884.7
14°	3430.0
15°	3020.4
17.5°	2194.7
20°	1636.8
22.5°	1079.0
25°	364.7
27.5°	126.7
30°	67.5
32.5°	33.7
35°	18.4
37.5°	10.3
40°	6.1
42.5°	3.0
45°	2.0
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

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)