

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: P1191519

Luminaire Tested: **LDA4A15927D010TE LAR25NF 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: P1191519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26142)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A15927D010TE LAR25NF 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 25° Narrow Flood
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

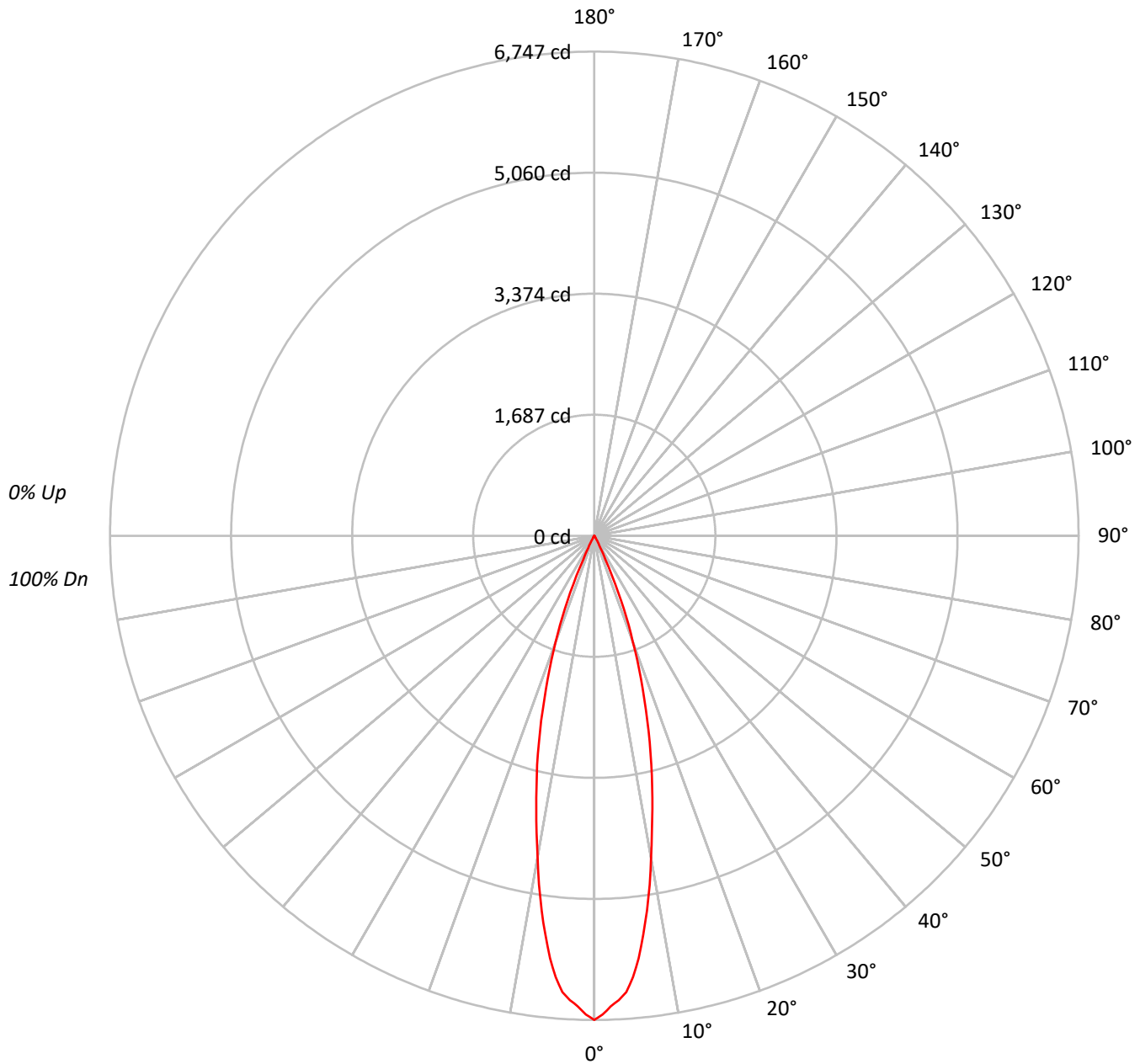
Lumens per Lamp: N/A
Luminaire Lumens: 1607.7 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.47
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	111	110	113	111	109	108		107	106	104			103	102	101			100
2	111	108	105	103	109	106	104	101		103	101	99			100	99	97			98
3	108	104	100	97	106	102	99	96		100	97	95			98	95	94			95
4	105	100	96	93	103	99	95	92		97	94	91			95	92	90			93
5	102	96	92	89	100	95	92	89		94	91	88			92	89	87			91
6	99	93	89	86	98	92	88	86		91	88	85			90	87	85			89
7	96	90	86	83	95	89	86	83		88	85	83			87	84	82			86
8	94	87	83	81	93	87	83	80		86	83	80			85	82	80			84
9	91	85	81	78	90	84	81	78		84	80	78			83	80	78			82
10	89	82	79	76	88	82	78	76		81	78	76			81	78	76			80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	832250
5°	764284
10°	570907
15°	380294
20°	206002
25°	49145
30°	11494
35°	3268
40°	1127
45°	401
50°	154
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°	534.9	33.3
10°-20°	806.6	50.2
20°-30°	246.3	15.3
30°-40°	17.8	1.1
40°-50°	2.0	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°	1587.9	98.8
0°-40°	1605.6	99.9
0°-60°	1607.7	100.0
0°-90°	1607.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6747	
5°	6173	535
15°	2978	807
25°	361	246
35°	22	18
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°	6747.3
1°	6671.2
2°	6561.7
3°	6479.5
4°	6374.6
5°	6172.7
6°	5918.7
7°	5601.2
8°	5273.5
9°	4924.0
10°	4558.2
11°	4209.6
12°	3890.5
13°	3584.5
14°	3289.4
15°	2978.1
17.5°	2237.2
20°	1569.4
22.5°	979.2
25°	361.1
27.5°	146.0
30°	80.7
32.5°	40.4
35°	21.7
37.5°	12.4
40°	7.0
42.5°	3.8
45°	2.3
47.5°	0.8
50°	0.8
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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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85°		0.0
87.5°		0.0

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(END OF REPORT)