

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: P1212808

Luminaire Tested: **LDA4A30950D010TE 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: P1212808
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: LDA4A30950D010TE 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 / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

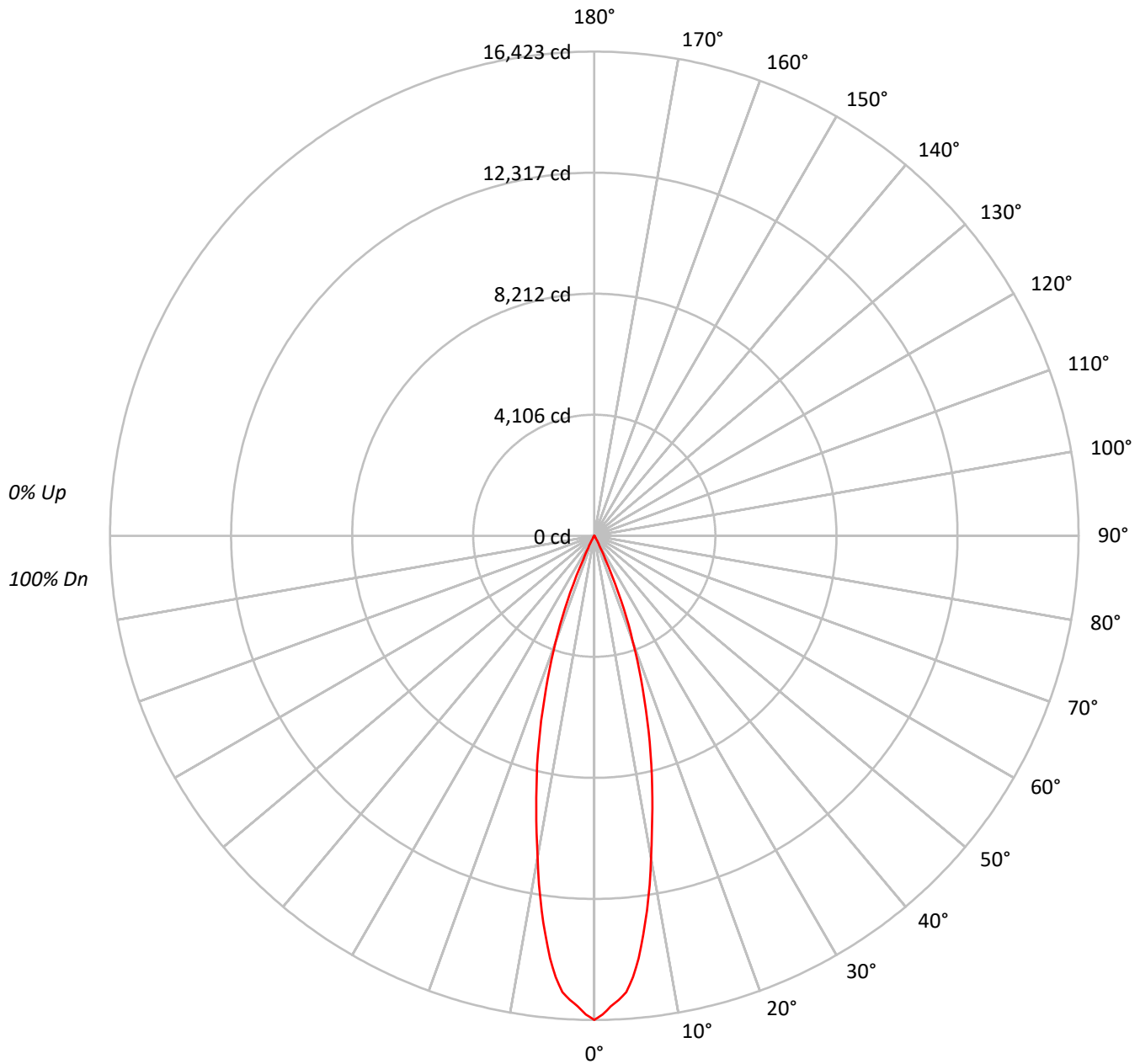
Lumens per Lamp: N/A
Luminaire Lumens: 3913.3 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.47
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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°	2025705
5°	1860273
10°	1389619
15°	925597
20°	501393
25°	119616
30°	28001
35°	7966
40°	2753
45°	977
50°	365
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°	1302.0	33.3
10°-20°	1963.3	50.2
20°-30°	599.5	15.3
30°-40°	43.3	1.1
40°-50°	5.0	0.1
50°-60°	0.2	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°	3864.9	98.8
0°-40°	3908.1	99.9
0°-60°	3913.3	100.0
0°-90°	3913.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3913.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16423	
5°	15024	###
15°	7248	1963
25°	879	599
35°	53	43
45°	6	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16423.0
1°	16237.8
2°	15971.3
3°	15771.0
4°	15515.9
5°	15024.4
6°	14406.3
7°	13633.2
8°	12835.7
9°	11985.1
10°	11094.9
11°	10246.2
12°	9469.3
13°	8724.6
14°	8006.4
15°	7248.4
17.5°	5445.3
20°	3819.8
22.5°	2383.5
25°	878.9
27.5°	355.3
30°	196.6
32.5°	98.2
35°	52.9
37.5°	30.2
40°	17.1
42.5°	9.5
45°	5.6
47.5°	1.9
50°	1.9
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

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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)