

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: P1212772

Luminaire Tested: **LDA4A20950D010TE 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: P1212772
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: LDA4A20950D010TE 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

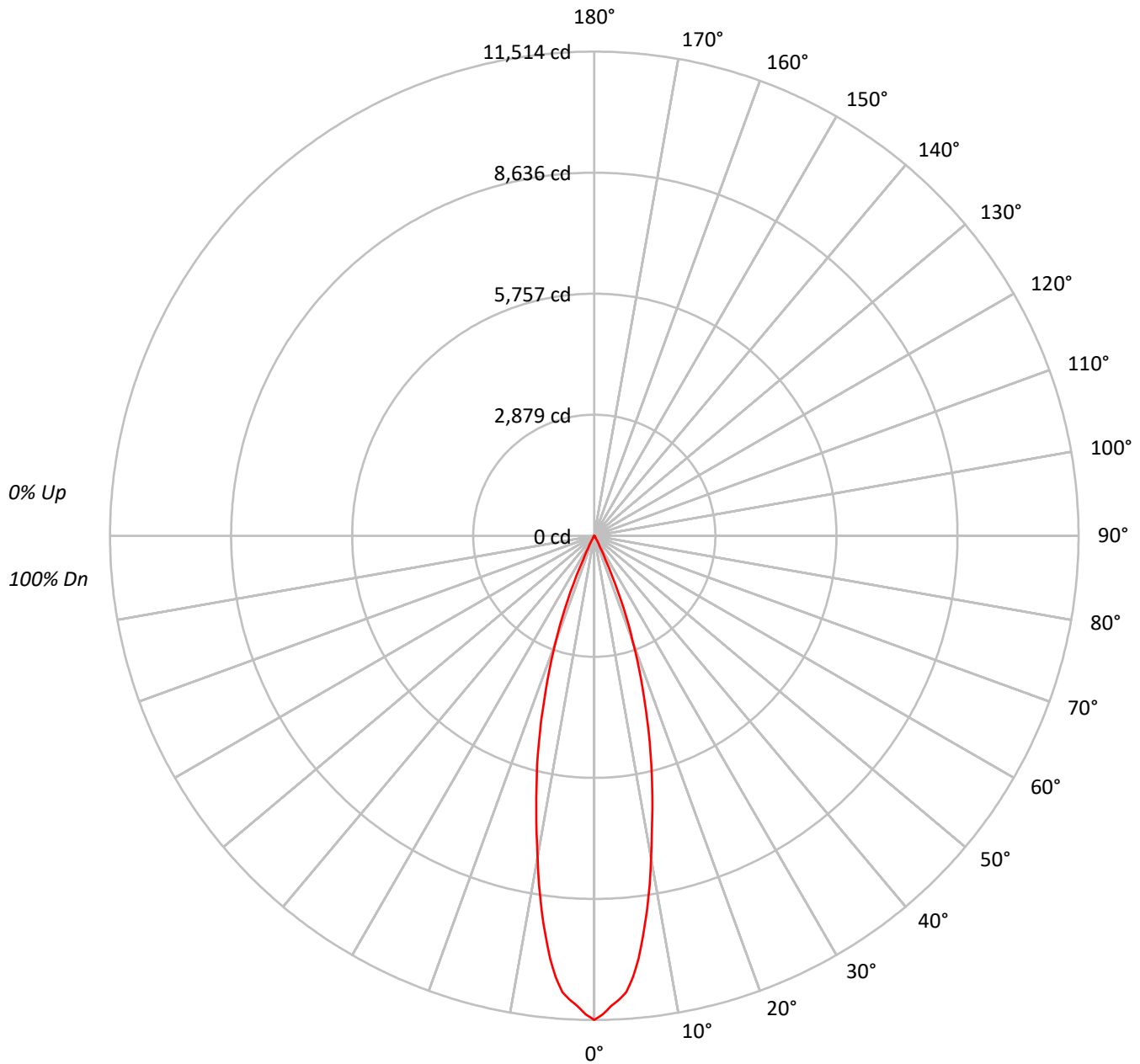
Lumens per Lamp: N/A
Luminaire Lumens: 2743.6 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.47
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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		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°	1420202
5°	1304212
10°	974245
15°	648942
20°	351532
25°	83863
30°	19626
35°	5571
40°	1916
45°	698
50°	269
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°	912.9	33.3
10°-20°	1376.5	50.2
20°-30°	420.3	15.3
30°-40°	30.3	1.1
40°-50°	3.5	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°	2709.6	98.8
0°-40°	2740.0	99.9
0°-60°	2743.6	100.0
0°-90°	2743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2743.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11514	
5°	10533	913
15°	5082	1376
25°	616	420
35°	37	30
45°	4	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11514.0
1°	11384.3
2°	11197.4
3°	11056.9
4°	10878.0
5°	10533.4
6°	10100.2
7°	9558.1
8°	8999.0
9°	8402.7
10°	7778.5
11°	7183.5
12°	6638.9
13°	6116.9
14°	5613.3
15°	5081.9
17.5°	3817.6
20°	2678.1
22.5°	1671.0
25°	616.2
27.5°	249.1
30°	137.8
32.5°	69.0
35°	37.0
37.5°	21.2
40°	11.9
42.5°	6.7
45°	4.0
47.5°	1.4
50°	1.4
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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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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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)