

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: P1191806

Luminaire Tested: **LDA4A30930D010TE LAR25NF 4LAL1**

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: P1191806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26145)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A30930D010TE LAR25NF 4LAL1
Description: PORTFOLIO 4" Lensed Adjustable, Self-flange Trim Ring, 25° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

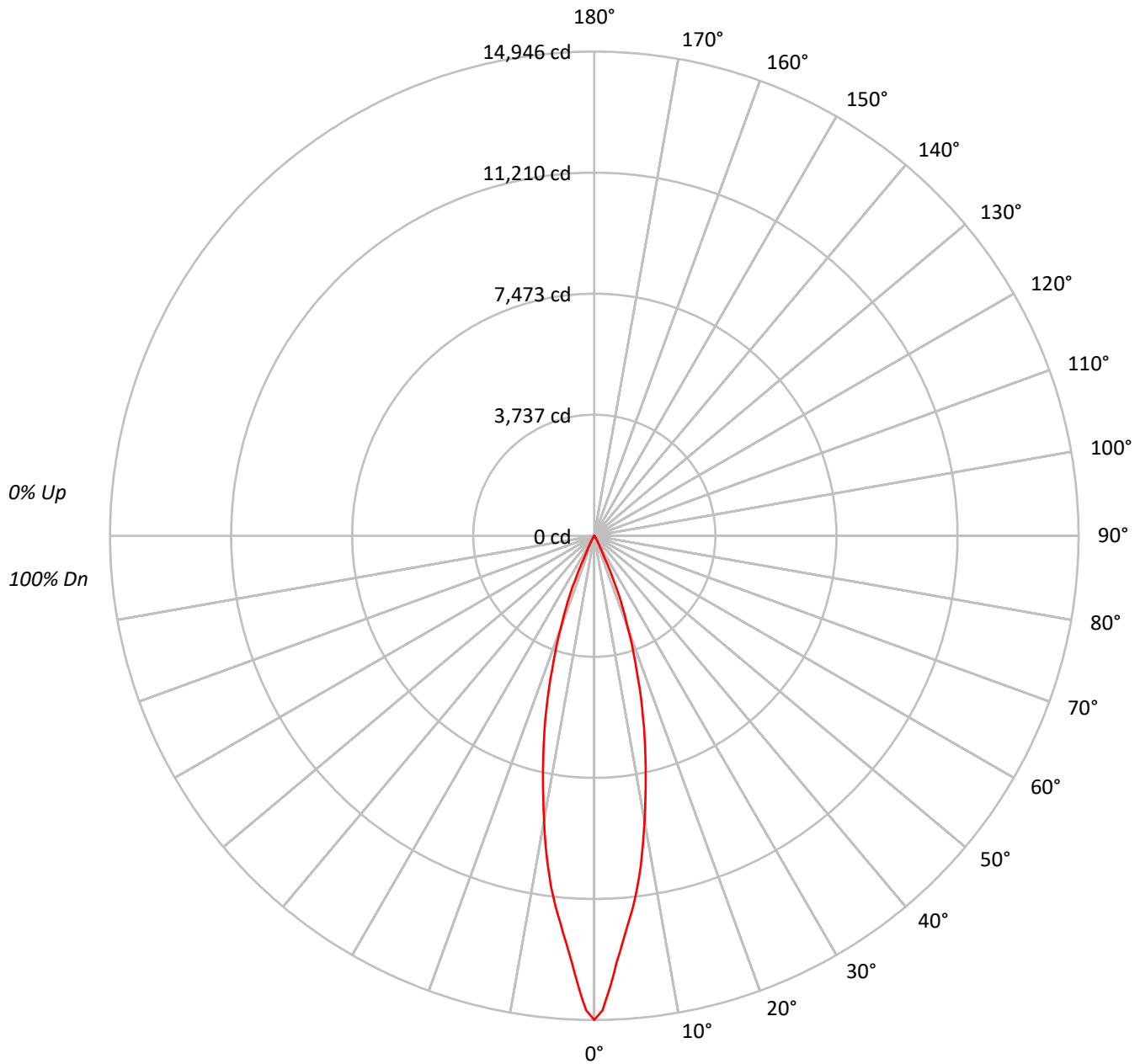
Lumens per Lamp: N/A
Luminaire Lumens: 3170.2 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91		
4	105	100	96	93	103	98	95	92	97	94	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78		
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76		
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1843585
5°	1487040
10°	1117704
15°	742889
20°	398471
25°	100834
30°	23928
35°	7845
40°	3253
45°	1465
50°	633
55°	366
60°	419
65°	496
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1055.6	33.3
10°-20°	1573.1	49.6
20°-30°	491.4	15.5
30°-40°	40.3	1.3
40°-50°	7.0	0.2
50°-60°	1.7	0.1
60°-70°	1.0	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°	3120.2	98.4
0°-40°	3160.5	99.7
0°-60°	3169.2	100.0
0°-90°	3170.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3170.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14946	
5°	12010	###
15°	5818	1573
25°	741	491
35°	52	40
45°	8	7
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14946.5
1°	14650.8
2°	13936.8
3°	13187.6
4°	12569.4
5°	12010.0
6°	11487.5
7°	10924.7
8°	10286.3
9°	9624.4
10°	8923.9
11°	8253.6
12°	7623.6
13°	7015.4
14°	6414.1
15°	5817.6
17.5°	4337.6
20°	3035.7
22.5°	1967.2
25°	740.9
27.5°	295.7
30°	168.0
32.5°	89.0
35°	52.1
37.5°	31.9
40°	20.2
42.5°	11.7
45°	8.4
47.5°	5.0
50°	3.3
52.5°	1.7
55°	1.7
57.5°	1.7
60°	1.7
62.5°	1.7
65°	1.7
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)