

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: P1191446

Luminaire Tested: **LDA4A10930D010TE 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: P1191446
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: LDA4A10930D010TE 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

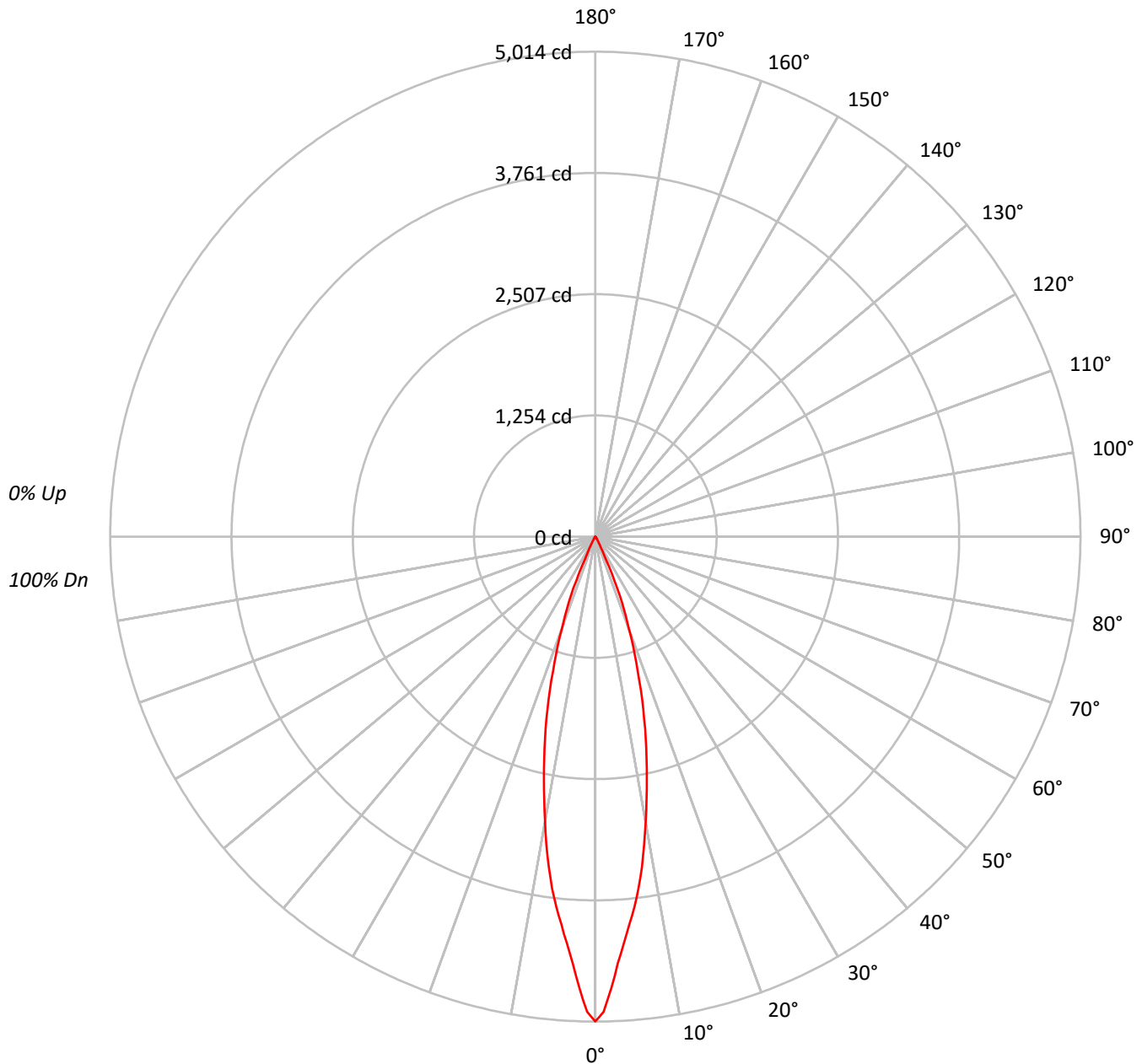
Lumens per Lamp: N/A
Luminaire Lumens: 1063.3 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	109	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	103	100	97	106	102	99	96		100	97	95			97	95	93			95
4	105	100	96	93	103	98	95	92		97	94	91			95	92	90			93
5	102	96	92	89	100	95	91	89		94	90	88			92	89	87			91
6	99	93	89	86	98	92	88	86		91	87	85			90	87	84			88
7	96	90	86	83	95	89	85	83		88	85	82			87	84	82			86
8	94	87	83	80	93	87	83	80		86	82	80			85	82	80			84
9	91	85	81	78	90	84	80	78		83	80	78			83	80	77			82
10	89	82	78	76	88	82	78	76		81	78	76			81	78	75			80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	618393
5°	498796
10°	374906
15°	249188
20°	133651
25°	33820
30°	8019
35°	2635
40°	1095
45°	488
50°	211
55°	108
60°	123
65°	146
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	33.3
10°-20°	527.7	49.6
20°-30°	164.8	15.5
30°-40°	13.5	1.3
40°-50°	2.3	0.2
50°-60°	0.5	0.0
60°-70°	0.3	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°	1046.6	98.4
0°-40°	1060.1	99.7
0°-60°	1063.0	100.0
0°-90°	1063.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5014	
5°	4028	354
15°	1951	528
25°	248	165
35°	18	14
45°	3	2
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5013.5
1°	4914.3
2°	4674.8
3°	4423.5
4°	4216.1
5°	4028.5
6°	3853.2
7°	3664.5
8°	3450.3
9°	3228.3
10°	2993.3
11°	2768.5
12°	2557.2
13°	2353.1
14°	2151.5
15°	1951.4
17.5°	1455.0
20°	1018.2
22.5°	659.8
25°	248.5
27.5°	99.2
30°	56.3
32.5°	29.8
35°	17.5
37.5°	10.7
40°	6.8
42.5°	3.9
45°	2.8
47.5°	1.7
50°	1.1
52.5°	0.5
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
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)