

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: P1212759

Luminaire Tested: **LDA4A15950D010TE LAR35FL 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: P1212759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26146)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A15950D010TE LAR35FL 4LAL1
Description: PORTFOLIO 4" Lensed Adjustable, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

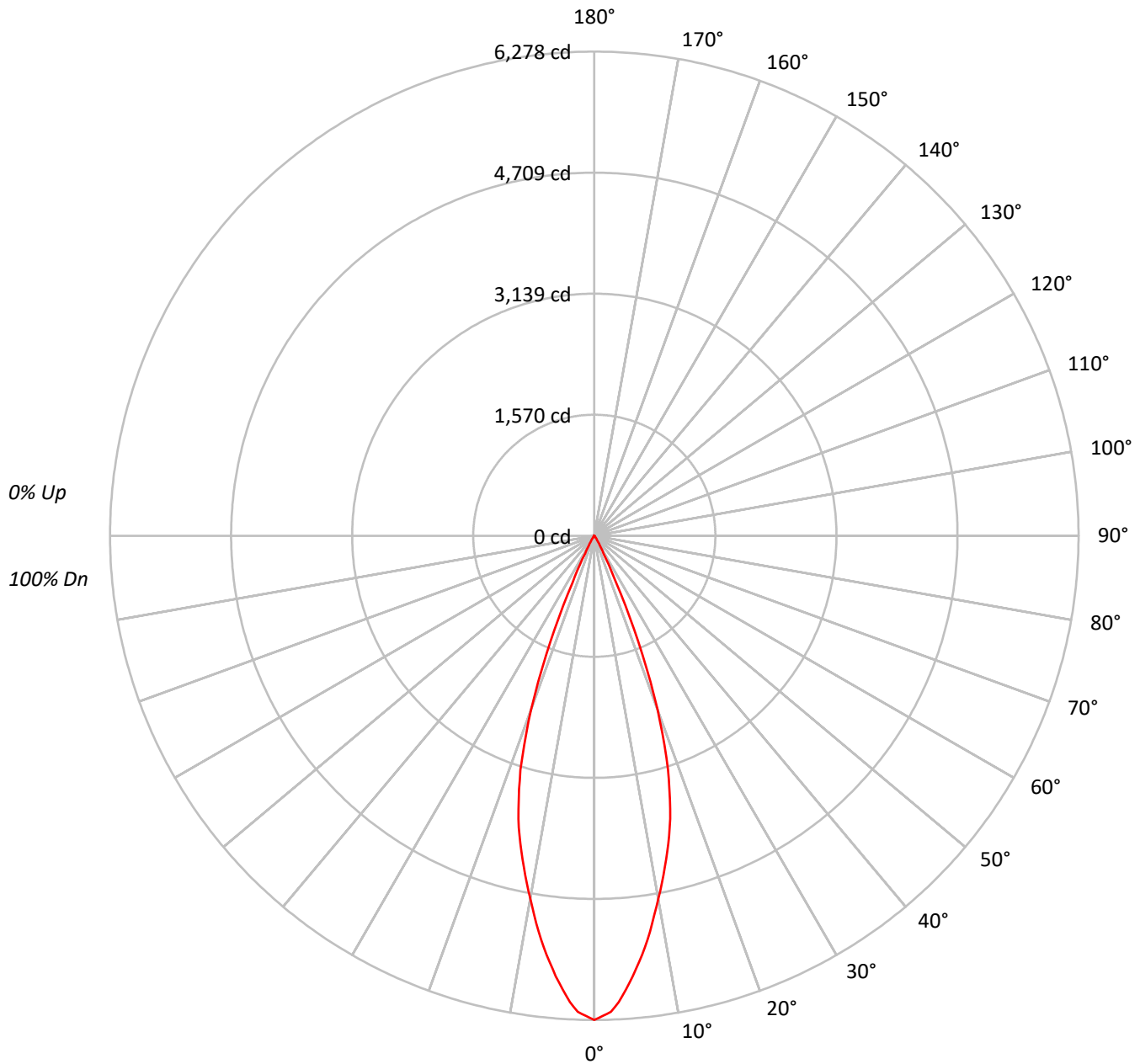
Lumens per Lamp: N/A
Luminaire Lumens: 1967.6 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	109	113	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	100		102	100	98			100	98	96			97
3	107	103	99	96	105	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	93	91		95	92	90			93	91	89			92
5	101	94	90	87	99	94	90	87		92	89	86			90	88	85			89
6	97	91	87	83	96	90	86	83		89	85	83			88	85	82			86
7	94	88	83	80	93	87	83	80		86	82	80			85	82	79			84
8	92	85	80	77	91	84	80	77		83	80	77			82	79	77			82
9	89	82	78	75	88	82	77	75		81	77	74			80	77	74			79
10	86	79	75	72	86	79	75	72		78	75	72			78	74	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	774376
5°	709829
10°	598650
15°	485427
20°	314359
25°	90640
30°	19783
35°	5617
40°	2093
45°	890
50°	384
55°	215
60°	247
65°	292
70°	361
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.6	26.3
10°-20°	1019.9	51.8
20°-30°	392.9	20.0
30°-40°	31.1	1.6
40°-50°	4.5	0.2
50°-60°	1.0	0.1
60°-70°	1.0	0.1
70°-80°	0.4	0.0
80°-90°	0.5	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°	1929.4	98.1
0°-40°	1960.4	99.6
0°-60°	1965.9	99.9
0°-90°	1967.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1967.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6278	
5°	5733	517
15°	3801	1020
25°	666	393
35°	37	31
45°	5	4
55°	1	1
65°	1	1
75°	0	0
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6278.1
1°	6227.5
2°	6176.2
3°	6055.2
4°	5896.1
5°	5732.9
6°	5553.5
7°	5379.2
8°	5186.7
9°	4978.3
10°	4779.7
11°	4590.4
12°	4392.9
13°	4204.5
14°	4012.0
15°	3801.4
17.5°	3182.8
20°	2394.9
22.5°	1480.0
25°	666.0
27.5°	255.9
30°	138.9
32.5°	71.4
35°	37.3
37.5°	22.2
40°	13.0
42.5°	8.1
45°	5.1
47.5°	3.0
50°	2.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	1.0
80°	0.0
82.5°	0.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

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Scaled Data Report

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— 0°-180°

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85°	0.0
87.5°	1.0

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(END OF REPORT)