

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: P1191914

Luminaire Tested: **LDA4A35935D010TE 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: P1191914
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: LDA4A35935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

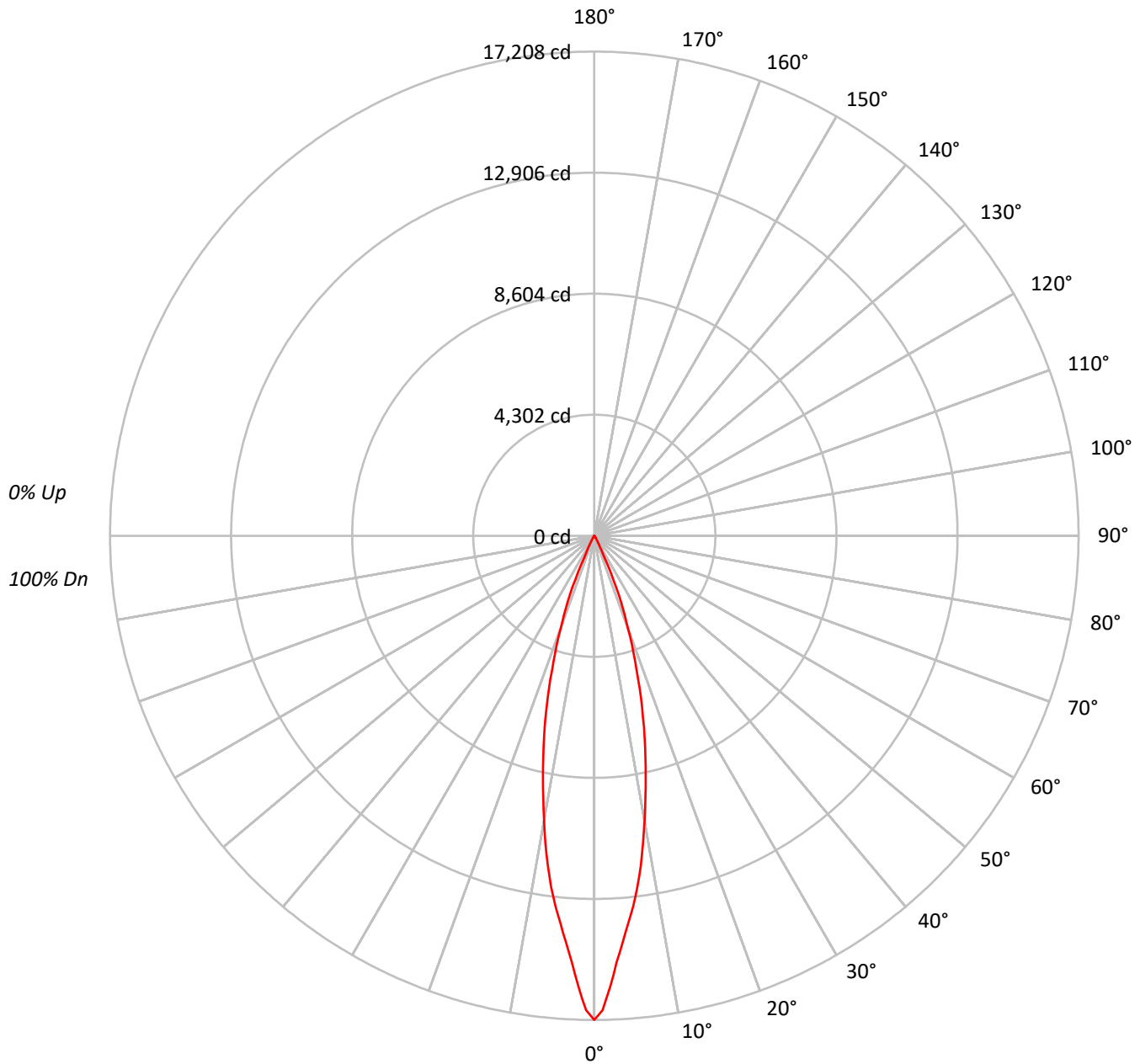
Lumens per Lamp: N/A
Luminaire Lumens: 3649.9 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47.1
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	113	111	109	108		107	106	104		103	102	101		100	99	98
2	111	108	105	103	109	106	104	101		103	101	99		100	99	97		98	96	95
3	108	103	100	97	106	102	99	96		100	97	95		97	95	93		95	94	92
4	105	100	96	93	103	98	95	92		97	94	91		95	92	90		93	91	89
5	102	96	92	89	100	95	91	89		94	90	88		92	89	87		91	88	86
6	99	93	89	86	98	92	88	86		91	87	85		90	87	84		88	86	84
7	96	90	86	83	95	89	85	83		88	85	82		87	84	82		86	84	82
8	94	87	83	80	93	87	83	80		86	82	80		85	82	80		84	81	79
9	91	85	81	78	90	84	80	78		83	80	78		83	80	77		82	79	77
10	89	82	78	76	88	82	78	76		81	78	76		81	78	75		80	77	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2122519
5°	1712027
10°	1286802
15°	855300
20°	458746
25°	116077
30°	27531
35°	9035
40°	3736
45°	1675
50°	748
55°	430
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1215.4	33.3
10°-20°	1811.1	49.6
20°-30°	565.8	15.5
30°-40°	46.4	1.3
40°-50°	8.1	0.2
50°-60°	2.0	0.1
60°-70°	1.2	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°	3592.2	98.4
0°-40°	3638.7	99.7
0°-60°	3648.7	100.0
0°-90°	3649.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3649.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17208	
5°	13827	###
15°	6698	1811
25°	853	566
35°	60	46
45°	10	8
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17207.9
1°	16867.5
2°	16045.4
3°	15182.9
4°	14471.1
5°	13827.1
6°	13225.5
7°	12577.7
8°	11842.6
9°	11080.5
10°	10274.0
11°	9502.3
12°	8777.0
13°	8076.9
14°	7384.5
15°	6697.9
17.5°	4993.8
20°	3494.9
22.5°	2264.9
25°	852.9
27.5°	340.4
30°	193.3
32.5°	102.5
35°	60.0
37.5°	36.8
40°	23.2
42.5°	13.6
45°	9.6
47.5°	5.9
50°	3.9
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0
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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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)