

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: P1191903

Luminaire Tested: **LDA4A35930D010TE LAR35FL 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: P1191903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26143)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A35930D010TE LAR35FL 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

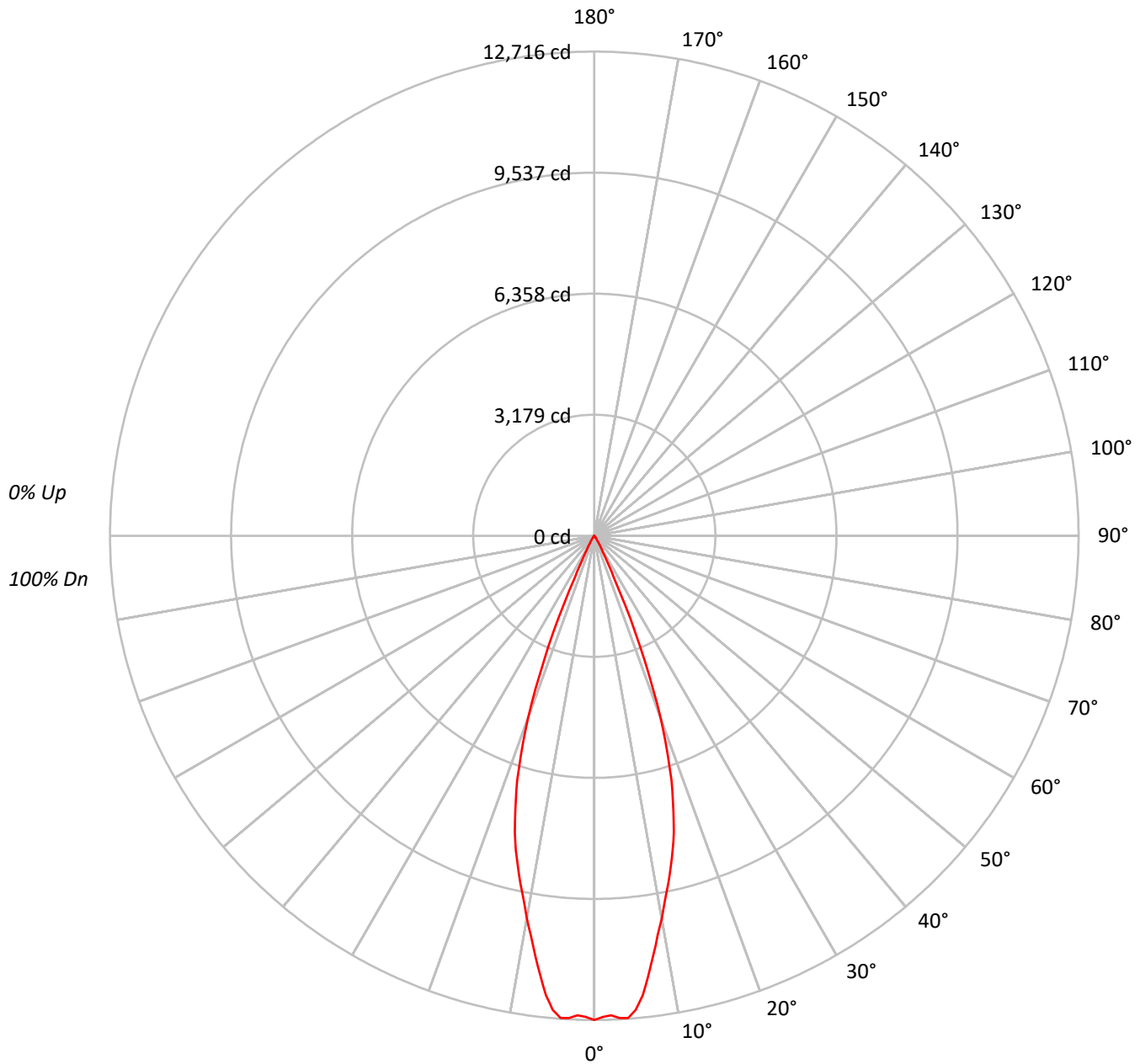
Lumens per Lamp: N/A
Luminaire Lumens: 4132.4 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
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	101		103	100	99			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			97	94	92			95
4	104	99	94	91	102	97	94	91		95	92	90			94	91	89			92
5	101	95	91	87	99	94	90	87		92	89	86			91	88	86			89
6	98	91	87	84	96	91	87	84		89	86	83			88	85	83			87
7	95	88	84	81	94	87	83	81		86	83	80			85	82	80			84
8	92	85	81	78	91	85	81	78		84	80	78			83	80	77			82
9	89	82	78	75	88	82	78	75		81	78	75			80	77	75			80
10	87	80	76	73	86	79	76	73		79	75	73			78	75	72			78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1568525
5°	1547425
10°	1277597
15°	1030041
20°	666560
25°	162717
30°	39082
35°	9833
40°	3075
45°	663
50°	384
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°	1107.1	26.8
10°-20°	2163.4	52.4
20°-30°	800.5	19.4
30°-40°	56.4	1.4
40°-50°	4.9	0.1
50°-60°	0.2	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°	4071.0	98.5
0°-40°	4127.4	99.9
0°-60°	4132.4	100.0
0°-90°	4132.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4132.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12716	
5°	12498	###
15°	8066	2163
25°	1196	801
35°	65	56
45°	4	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12716.5
1°	12641.6
2°	12601.3
3°	12680.0
4°	12699.1
5°	12497.7
6°	12138.9
7°	11637.9
8°	11131.2
9°	10630.3
10°	10200.5
11°	9737.8
12°	9329.2
13°	8922.3
14°	8509.7
15°	8066.3
17.5°	6738.3
20°	5078.1
22.5°	3141.7
25°	1195.6
27.5°	491.3
30°	274.4
32.5°	130.5
35°	65.3
37.5°	34.5
40°	19.1
42.5°	9.6
45°	3.8
47.5°	2.0
50°	2.0
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

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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)