

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: P1191846

Luminaire Tested: **LDA4A30940D010TE LAR35FL 4LA1**

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: P1191846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25630)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A30940D010TE LAR35FL 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

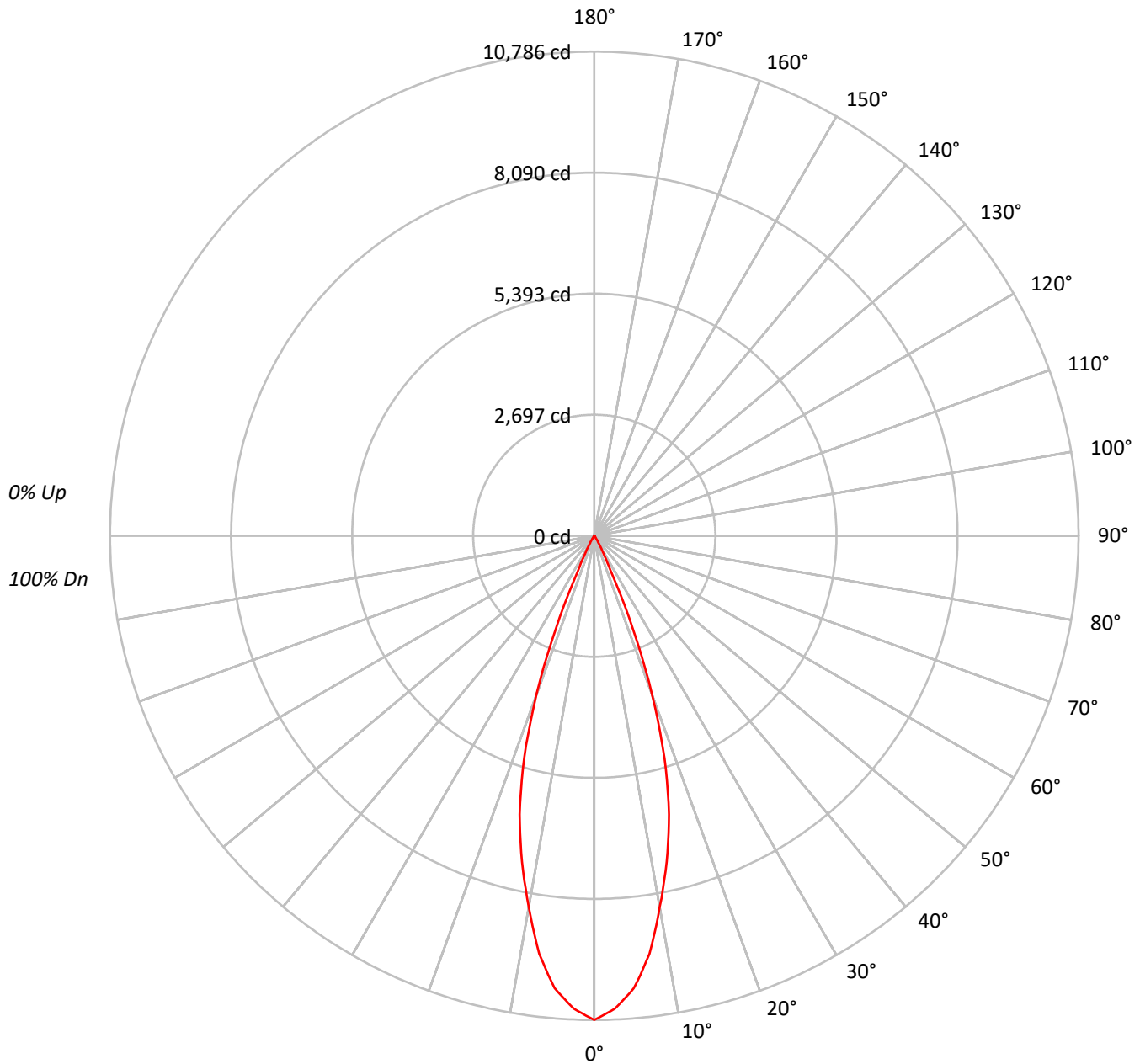
Lumens per Lamp: N/A
Luminaire Lumens: 3262.9 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
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	108	104	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95
4	104	99	95	92	103	98	94	91	96	93	90		94	91	89		92
5	101	95	91	88	100	94	90	87	93	89	87		91	88	86		90
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85
8	92	86	81	78	91	85	81	78	84	81	78		83	80	78		82
9	90	83	79	76	89	82	79	76	82	78	76		81	78	75		80
10	87	80	76	74	86	80	76	73	79	76	73		79	75	73		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1330431
5°	1252692
10°	1052262
15°	820528
20°	495329
25°	114784
30°	30038
35°	7107
40°	2335
45°	645
50°	345
55°	387
60°	444
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.2	27.9
10°-20°	1716.2	52.6
20°-30°	587.4	18.0
30°-40°	41.8	1.3
40°-50°	3.9	0.1
50°-60°	1.6	0.0
60°-70°	0.7	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°	3214.8	98.5
0°-40°	3256.7	99.8
0°-60°	3262.2	100.0
0°-90°	3262.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3262.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10786	
5°	10117	911
15°	6426	1716
25°	843	587
35°	47	42
45°	4	4
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10786.2
2.5°	10544.4
5°	10117.3
7.5°	9393.9
10°	8401.4
12.5°	7438.0
15°	6425.6
17.5°	5196.8
20°	3773.6
22.5°	2253.9
25°	843.4
27.5°	410.7
30°	210.9
32.5°	94.6
35°	47.2
37.5°	25.5
40°	14.5
42.5°	7.3
45°	3.7
47.5°	1.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	1.8
60°	1.8
62.5°	1.8
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
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)