

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: P1212799

Luminaire Tested: **LDA4A30950D010TE LAR15SP 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: P1212799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25628)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A30950D010TE LAR15SP 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

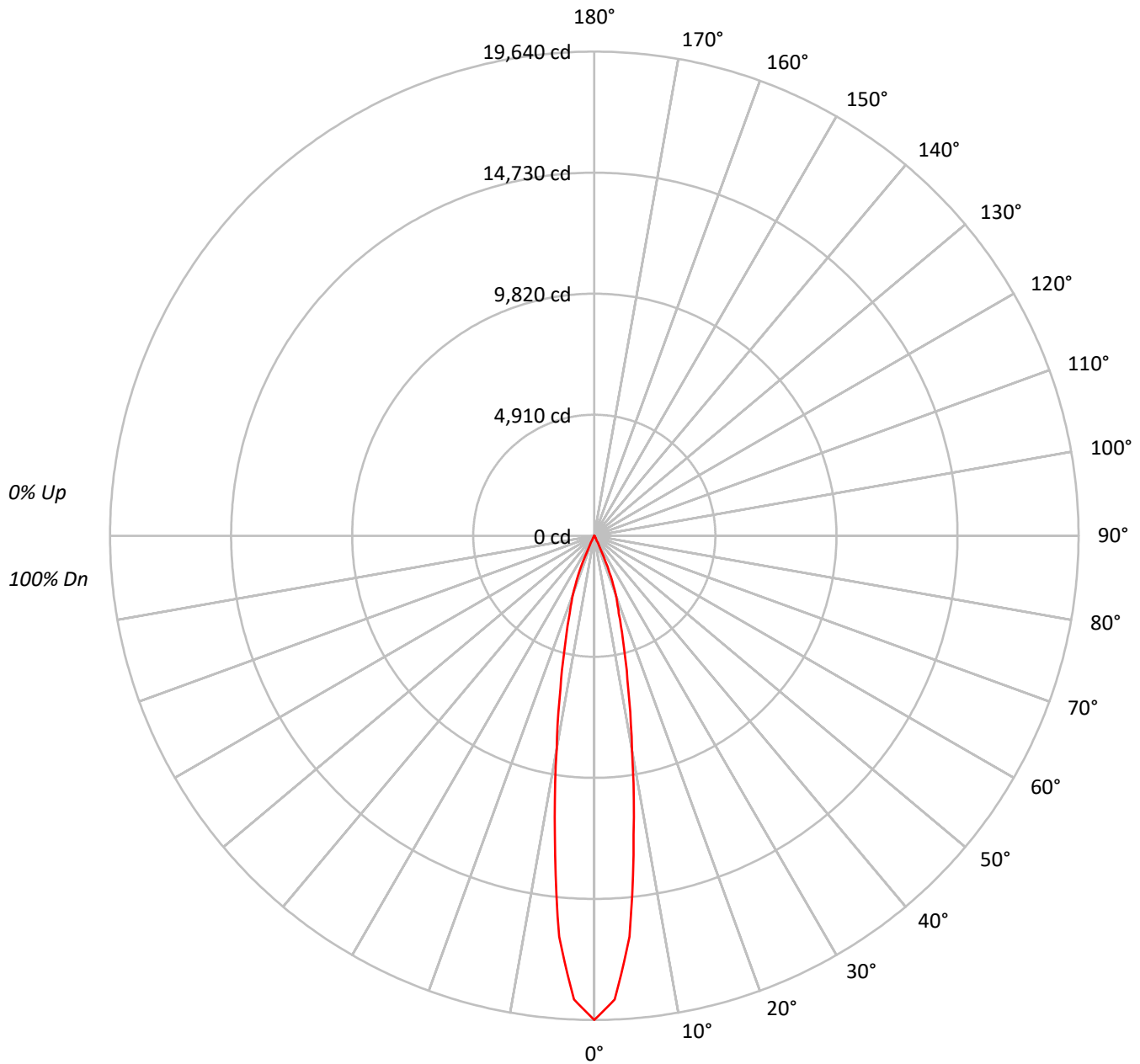
Lumens per Lamp: N/A
Luminaire Lumens: 3017.2 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.35
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97
4	106	101	97	95	104	100	97	94	98	95	93		96	94	92		95
5	103	98	94	91	102	97	94	91	95	92	90		94	91	89		93
6	101	95	91	89	99	94	91	88	93	90	88		92	89	87		91
7	98	92	89	86	97	92	88	86	91	88	85		90	87	85		89
8	96	90	86	84	95	90	86	84	89	86	83		88	85	83		87
9	94	88	84	82	93	87	84	82	87	84	81		86	83	81		85
10	92	86	82	80	91	85	82	80	85	82	80		84	81	79		84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2422545
5°	2021037
10°	1098792
15°	583664
20°	332486
25°	65082
30°	13459
35°	3990
40°	1530
45°	663
50°	365
55°	409
60°	469
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1294.1	42.9
10°-20°	1318.3	43.7
20°-30°	378.2	12.5
30°-40°	21.5	0.7
40°-50°	3.2	0.1
50°-60°	1.7	0.1
60°-70°	0.2	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°	2990.6	99.1
0°-40°	3012.1	99.8
0°-60°	3017.0	100.0
0°-90°	3017.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3017.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19640	
5°	16323	###
15°	4571	1318
25°	478	378
35°	26	21
45°	4	3
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19640.3
2.5°	18827.5
5°	16322.8
7.5°	12228.4
10°	8772.9
12.5°	6326.8
15°	4570.7
17.5°	3308.0
20°	2533.0
22.5°	1597.3
25°	478.2
27.5°	183.5
30°	94.5
32.5°	49.1
35°	26.5
37.5°	15.1
40°	9.5
42.5°	5.6
45°	3.8
47.5°	1.9
50°	1.9
52.5°	1.9
55°	1.9
57.5°	1.9
60°	1.9
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
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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(END OF REPORT)