

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: P1191888

Luminaire Tested: **LDA4A35930D010TE 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: P1191888
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: LDA4A35930D010TE LAR15SP 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

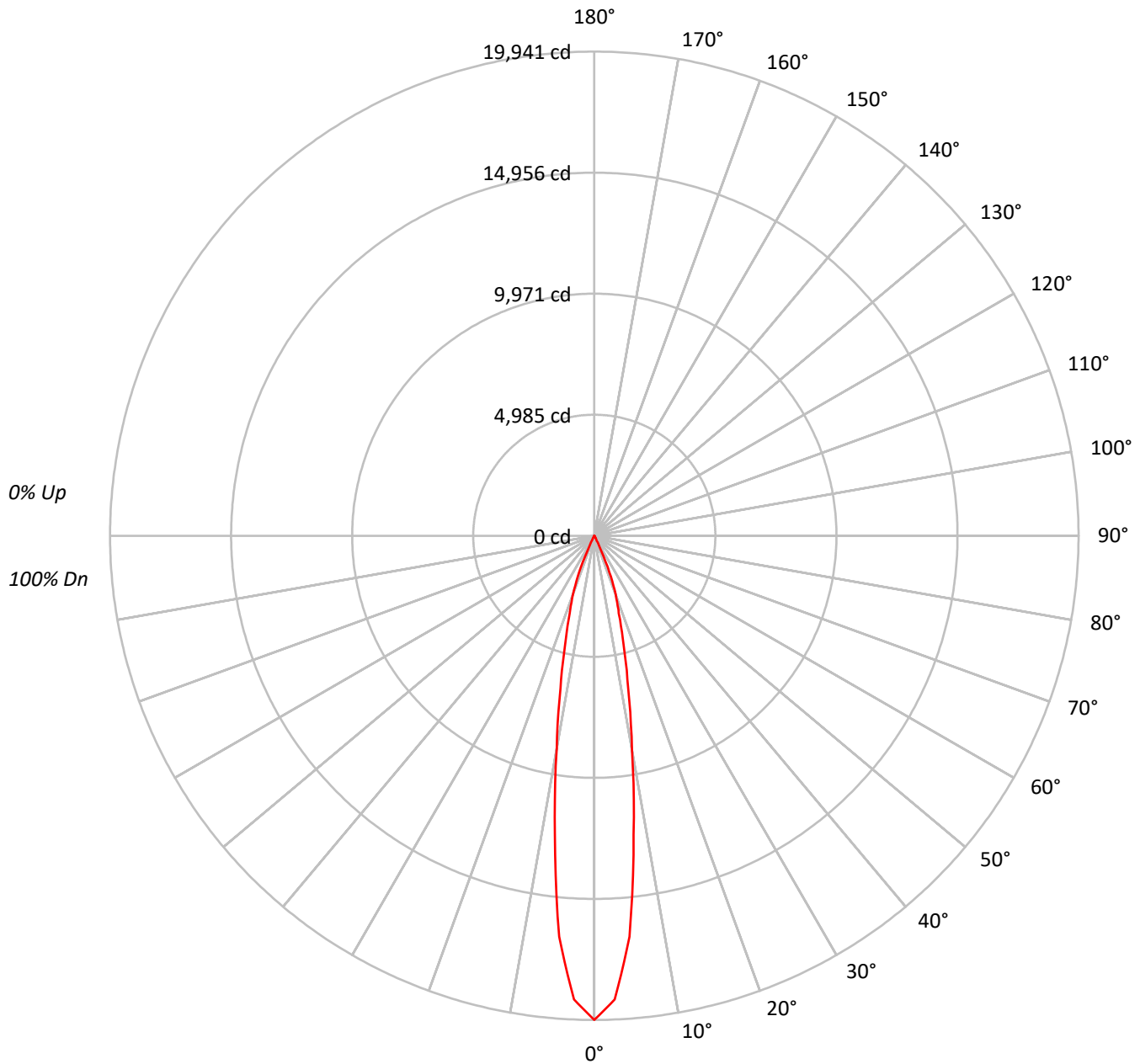
Lumens per Lamp: N/A
Luminaire Lumens: 3063.4 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.35
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95		
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	97	95	94	92		
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90		
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88		
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86		
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84		
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82		
9	94	88	84	82	93	87	84	82	87	84	81	86	83	81	85	83	81	80		
10	92	86	82	80	91	85	82	80	85	82	80	84	81	79	84	81	79	78		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2459586
5°	2051941
10°	1115600
15°	592590
20°	337566
25°	66075
30°	13673
35°	4035
40°	1546
45°	663
50°	384
55°	430
60°	493
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1313.9	42.9
10°-20°	1338.5	43.7
20°-30°	384.0	12.5
30°-40°	21.8	0.7
40°-50°	3.3	0.1
50°-60°	1.8	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°	3036.3	99.1
0°-40°	3058.1	99.8
0°-60°	3063.2	100.0
0°-90°	3063.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3063.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19941	
5°	16572	###
15°	4641	1339
25°	486	384
35°	27	22
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°	19940.6
2.5°	19115.2
5°	16572.4
7.5°	12415.4
10°	8907.1
12.5°	6423.6
15°	4640.6
17.5°	3358.7
20°	2571.7
22.5°	1621.8
25°	485.5
27.5°	186.1
30°	96.0
32.5°	49.9
35°	26.8
37.5°	15.4
40°	9.6
42.5°	5.7
45°	3.8
47.5°	2.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
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
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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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)