

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: P1191618

Luminaire Tested: **LDA4A20930D010TE 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: P1191618
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: LDA4A20930D010TE 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

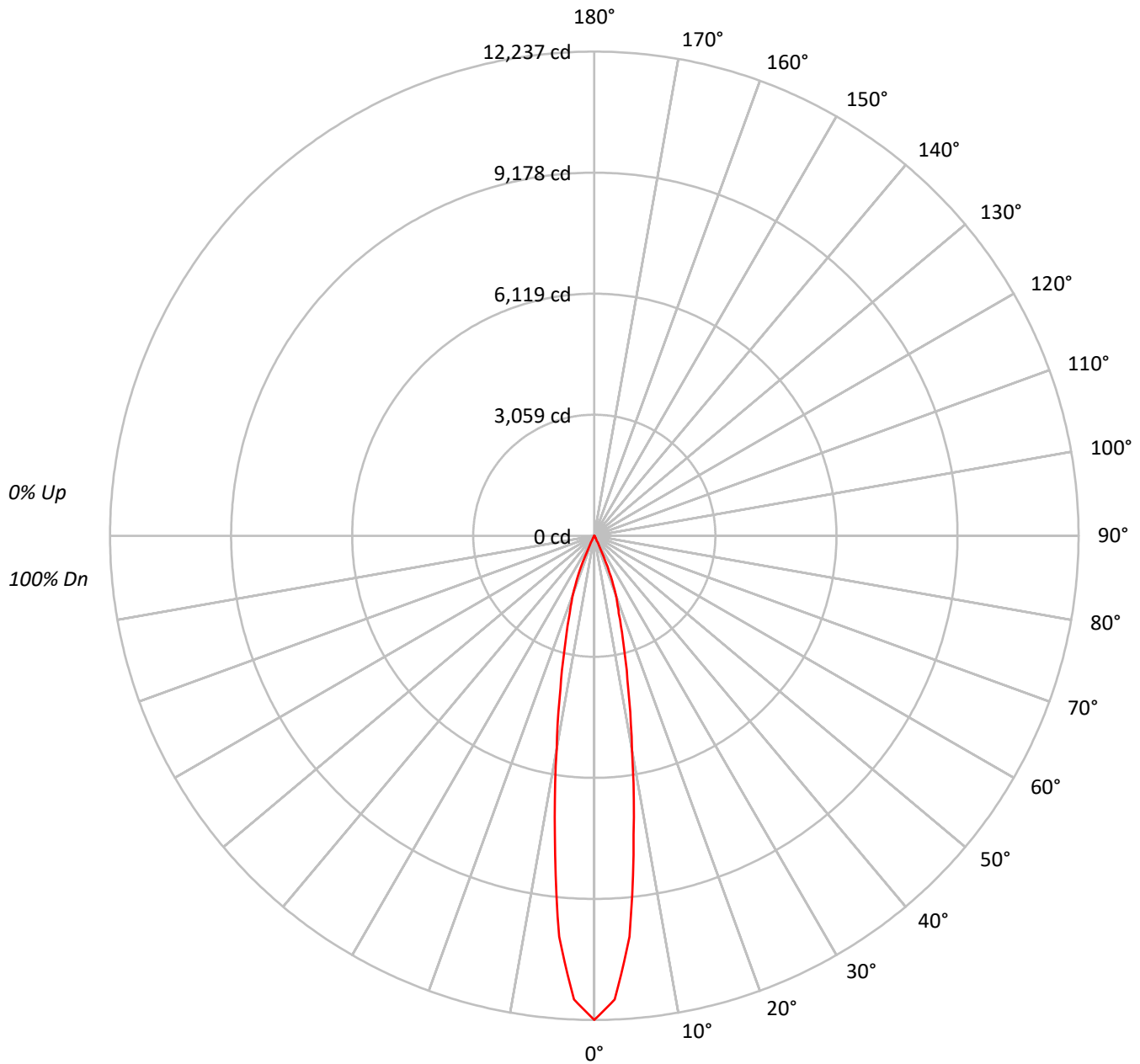
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1879.9 lumens
Efficiency: N/A
Efficacy: 65.3 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): 28.8
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°	1509343
5°	1259192
10°	684595
15°	363655
20°	207157
25°	40557
30°	8389
35°	2485
40°	950
45°	401
50°	230
55°	258
60°	296
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.3	42.9
10°-20°	821.4	43.7
20°-30°	235.6	12.5
30°-40°	13.4	0.7
40°-50°	2.0	0.1
50°-60°	1.1	0.1
60°-70°	0.1	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°	1863.3	99.1
0°-40°	1876.6	99.8
0°-60°	1879.7	100.0
0°-90°	1879.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12237	
5°	10170	806
15°	2848	821
25°	298	236
35°	16	13
45°	2	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12236.7
2.5°	11730.3
5°	10169.8
7.5°	7618.7
10°	5465.9
12.5°	3941.9
15°	2847.8
17.5°	2061.1
20°	1578.2
22.5°	995.2
25°	298.0
27.5°	114.2
30°	58.9
32.5°	30.6
35°	16.5
37.5°	9.4
40°	5.9
42.5°	3.5
45°	2.3
47.5°	1.2
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
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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(END OF REPORT)