

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: P1191658

Luminaire Tested: **LDA4A20940D010TE LAR15SP 4LPIN**

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: P1191658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A20940D010TE LAR15SP 4LPIN
Description: PORTFOLIO 4" White Pinhole with Black Oculus, Self-flanged, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

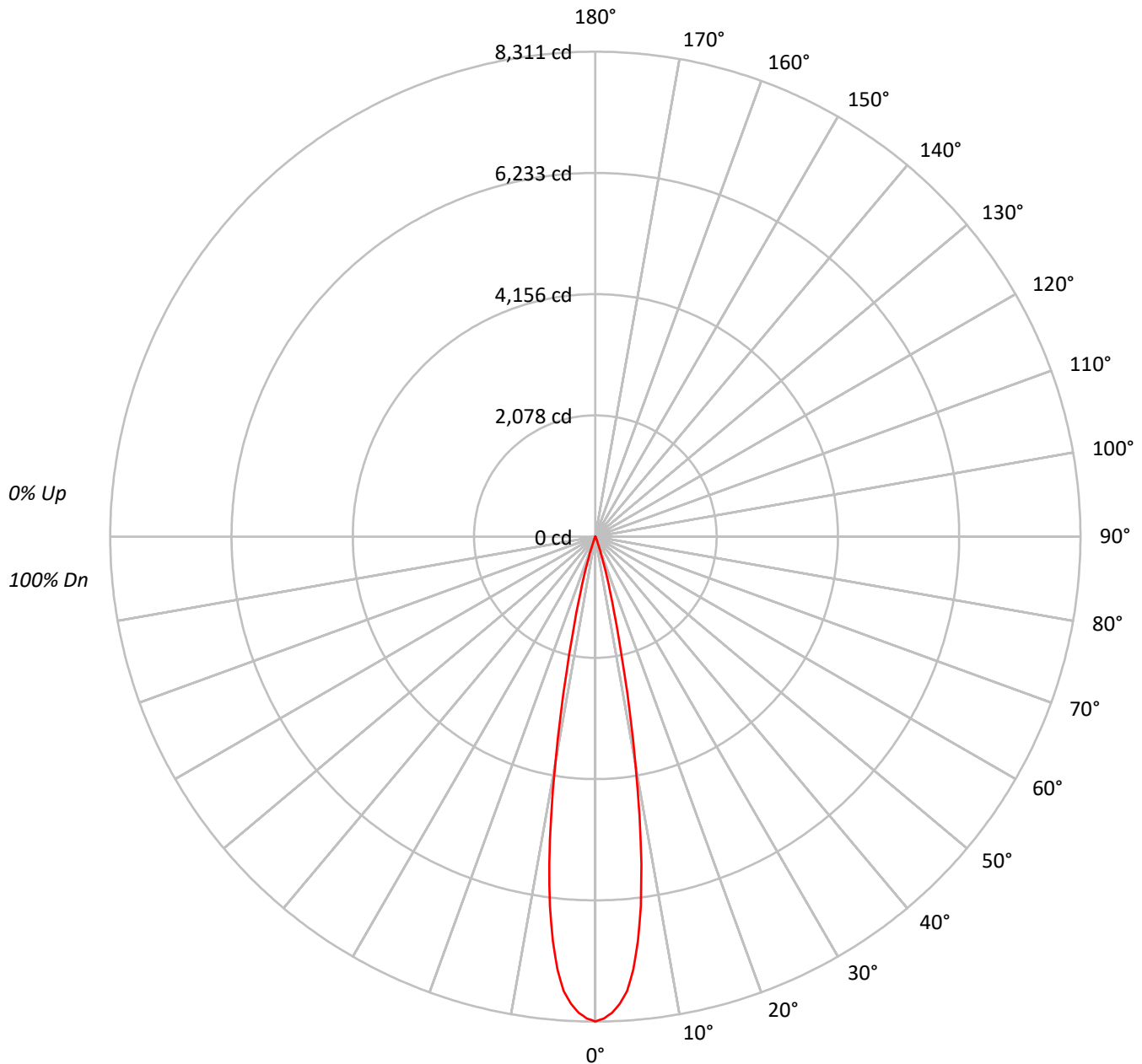
Lumens per Lamp: N/A
Luminaire Lumens: 940.6 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.31
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	113	111	114	112	111	109		108	107	106		105	104	103		101	101	100
2	113	110	108	106	111	109	107	105		106	104	103		103	102	100		100	99	98
3	111	107	104	102	109	106	103	101		103	101	100		101	100	98		99	98	97
4	109	104	101	99	107	103	101	99		102	99	97		100	98	96		98	97	95
5	107	102	99	97	105	101	98	96		100	97	96		98	96	95		97	95	94
6	105	100	97	95	104	99	97	94		98	96	94		97	95	93		96	94	93
7	103	98	95	93	102	98	95	93		97	94	92		96	94	92		95	93	92
8	101	97	94	92	101	96	93	91		95	93	91		95	92	91		94	92	91
9	100	95	92	90	99	95	92	90		94	92	90		93	91	90		93	91	89
10	98	94	91	89	98	93	91	89		93	90	89		92	90	89		92	90	88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1025089
5°	921890
10°	495721
15°	124811
20°	16723
25°	3294
30°	912
35°	196
40°	209
45°	0
50°	0
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°	598.3	63.6
10°-20°	324.2	34.5
20°-30°	16.5	1.8
30°-40°	1.4	0.1
40°-50°	0.1	0.0
50°-60°	0.0	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°	939.1	99.8
0°-40°	940.4	100.0
0°-60°	940.6	100.0
0°-90°	940.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8311	
5°	7446	598
15°	977	324
25°	24	16
35°	1	1
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8310.7
1°	8259.8
2°	8165.5
3°	8013.9
4°	7804.8
5°	7445.6
6°	6968.9
7°	6380.3
8°	5670.5
9°	4835.9
10°	3957.9
11°	3111.7
12°	2368.9
13°	1780.2
14°	1339.2
15°	977.4
17.5°	359.4
20°	127.4
22.5°	52.3
25°	24.2
27.5°	11.4
30°	6.4
32.5°	2.6
35°	1.3
37.5°	1.3
40°	1.3
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
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

Classified
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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)