

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: P1191459

Luminaire Tested: **LDA4A10935D010TE LAR15SP 4LFC1**

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: P1191459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26141)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10935D010TE LAR15SP 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

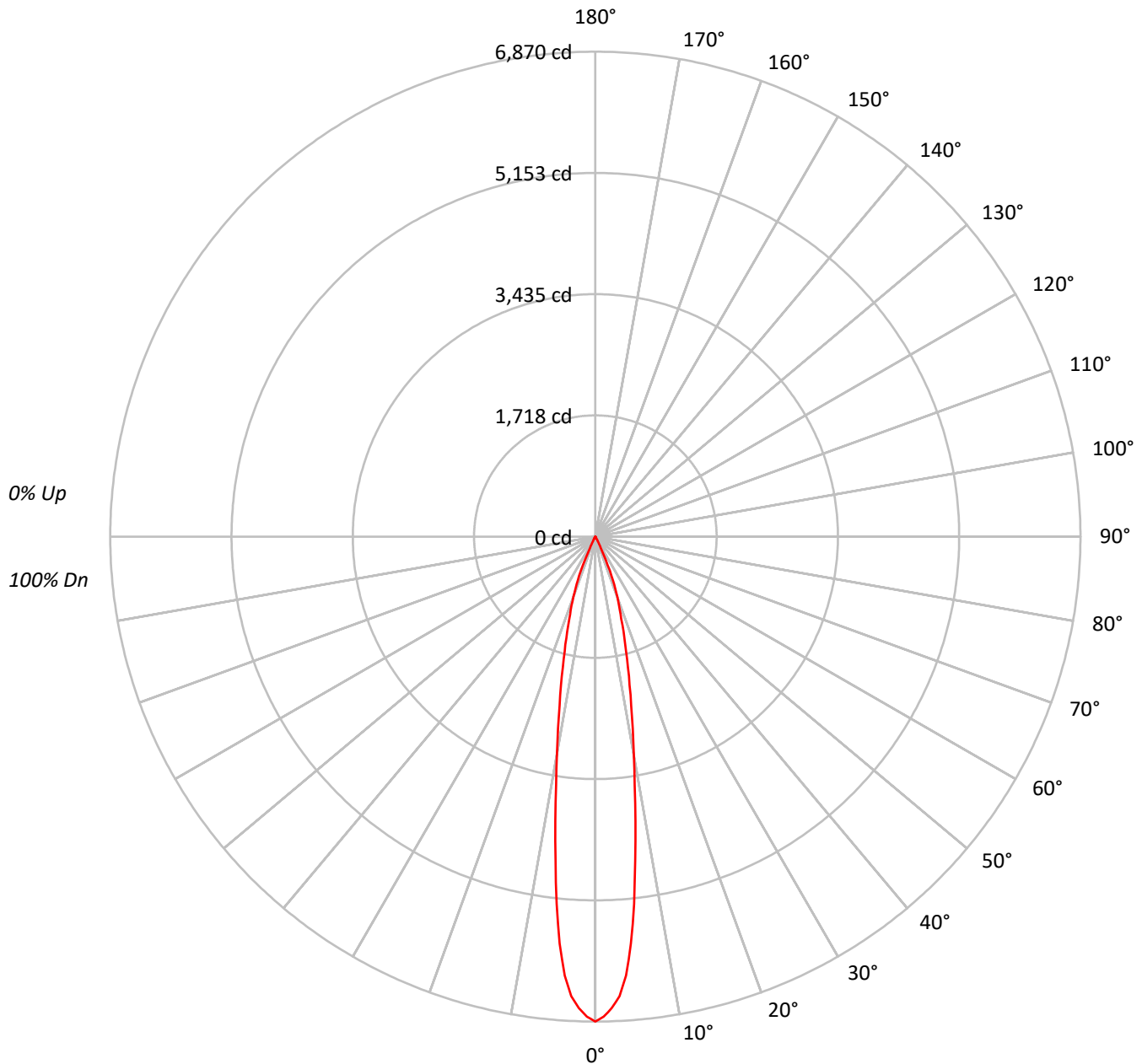
Lumens per Lamp: N/A
Luminaire Lumens: 1084.6 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	103	110	107	104	102		104	102	100			101	99	98			98
3	109	104	101	98	107	103	100	98		101	98	96			98	96	95			96
4	106	101	97	94	104	100	97	94		98	95	93			96	94	92			94
5	103	98	94	91	102	97	93	91		95	92	90			94	91	89			92
6	100	95	91	88	99	94	91	88		93	90	87			92	89	87			91
7	98	92	88	86	97	92	88	86		91	87	85			90	87	85			89
8	96	90	86	83	95	89	86	83		88	85	83			88	85	83			87
9	94	88	84	81	93	87	84	81		86	83	81			86	83	81			85
10	91	85	82	79	91	85	82	79		84	81	79			84	81	79			83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	847446
5°	716528
10°	392679
15°	214339
20°	119409
25°	27600
30°	5327
35°	1536
40°	547
45°	192
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°	455.7	42.0
10°-20°	476.7	44.0
20°-30°	143.0	13.2
30°-40°	8.3	0.8
40°-50°	0.9	0.1
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°	1075.4	99.2
0°-40°	1083.7	99.9
0°-60°	1084.6	100.0
0°-90°	1084.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6870	
5°	5787	456
15°	1678	477
25°	203	143
35°	10	8
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6870.5
1°	6803.0
2°	6680.8
3°	6517.3
4°	6234.5
5°	5787.0
6°	5233.5
7°	4630.8
8°	4071.0
9°	3559.4
10°	3135.2
11°	2767.7
12°	2441.3
13°	2159.0
14°	1906.3
15°	1678.5
17.5°	1219.7
20°	909.7
22.5°	599.7
25°	202.8
27.5°	70.4
30°	37.4
32.5°	18.7
35°	10.2
37.5°	5.7
40°	3.4
42.5°	1.7
45°	1.1
47.5°	0.5
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

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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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)