

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: P1212735

Luminaire Tested: **LDA4A10950D010TE LAR25NF 4LAL1**

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: P1212735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26145)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10950D010TE LAR25NF 4LAL1
Description: PORTFOLIO 4" Lensed Adjustable, Self-flange Trim Ring, 25° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

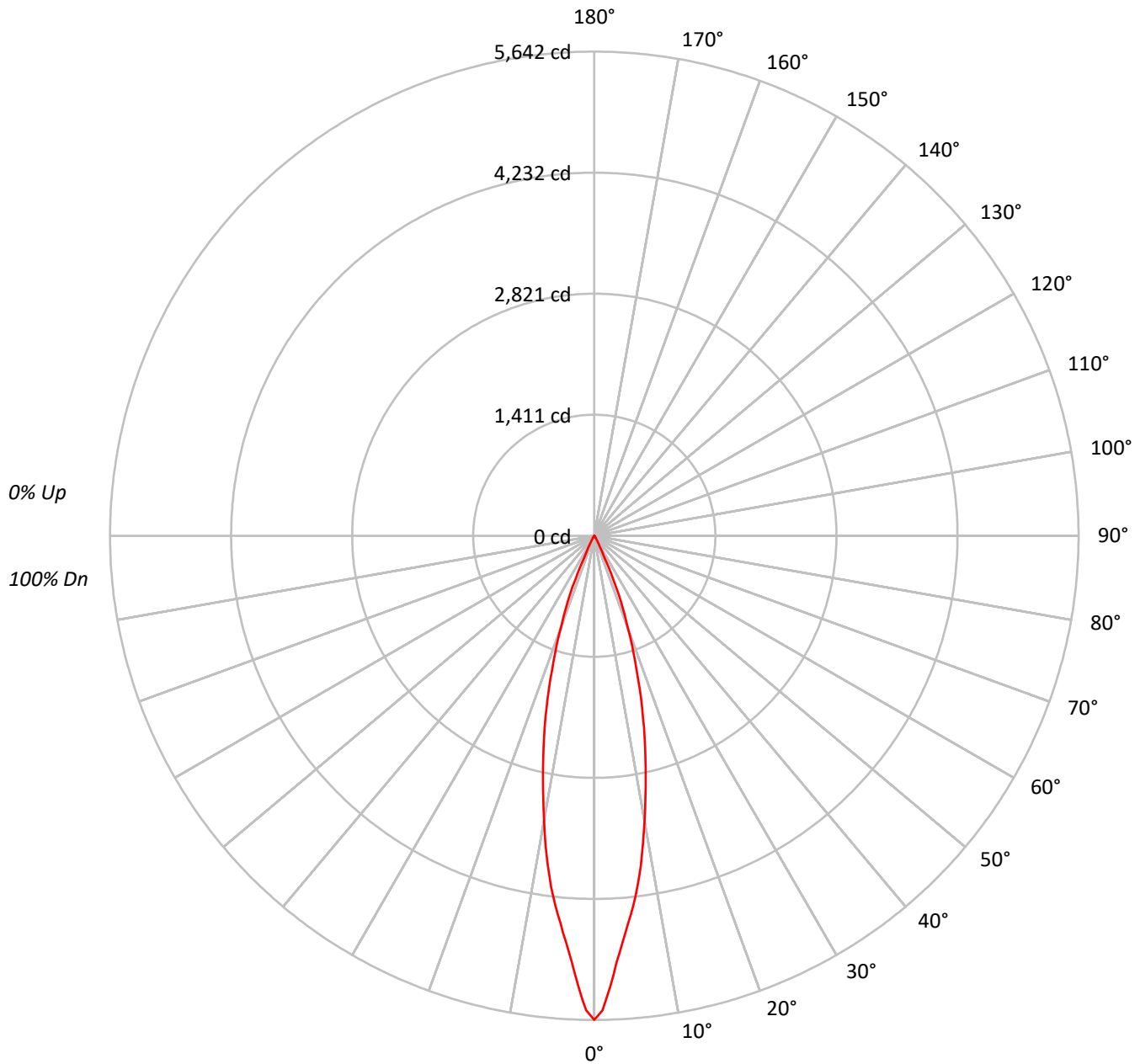
Lumens per Lamp: N/A
Luminaire Lumens: 1196.6 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		97
2	111	108	105	103	109	106	104	101	103	101	99		100	99	97		94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		91
4	105	100	96	93	103	98	95	92	97	94	91		95	92	90		88
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		85
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		83
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		81
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		78
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		76
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	695854
5°	561286
10°	421887
15°	280409
20°	150413
25°	38066
30°	9030
35°	2966
40°	1224
45°	558
50°	269
55°	129
60°	148
65°	175
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	33.3
10°-20°	593.8	49.6
20°-30°	185.5	15.5
30°-40°	15.2	1.3
40°-50°	2.7	0.2
50°-60°	0.6	0.1
60°-70°	0.4	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°	1177.7	98.4
0°-40°	1192.9	99.7
0°-60°	1196.2	100.0
0°-90°	1196.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5642	
5°	4533	398
15°	2196	594
25°	280	185
35°	20	15
45°	3	3
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5641.5
1°	5530.0
2°	5260.4
3°	4977.5
4°	4744.3
5°	4533.2
6°	4335.9
7°	4123.5
8°	3882.5
9°	3632.7
10°	3368.4
11°	3115.3
12°	2877.5
13°	2647.9
14°	2421.0
15°	2195.9
17.5°	1637.2
20°	1145.9
22.5°	742.5
25°	279.7
27.5°	111.5
30°	63.4
32.5°	33.7
35°	19.7
37.5°	12.1
40°	7.6
42.5°	4.5
45°	3.2
47.5°	1.9
50°	1.4
52.5°	0.6
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
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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— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	0.0

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(END OF REPORT)