

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: P1212789

Luminaire Tested: **LDA4A25950D010TE 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: P1212789
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: LDA4A25950D010TE 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

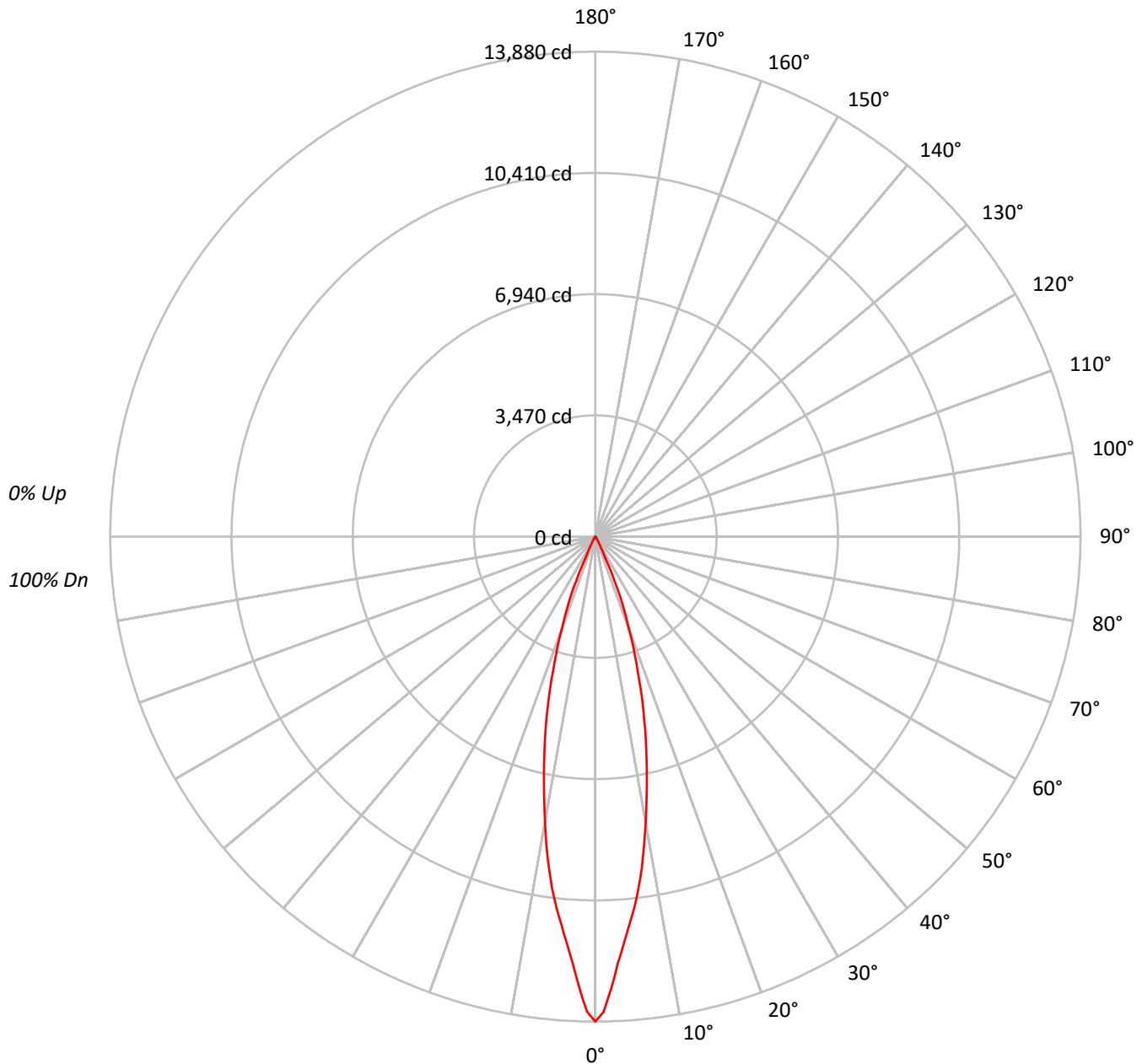
Lumens per Lamp: N/A
Luminaire Lumens: 2944.1 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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

TEST NUMBER: P1212789

CATALOG NUMBER: LDA4A25950D010TE LAR25NF 4LAL1

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212789

CATALOG NUMBER: LDA4A25950D010TE LAR25NF 4LAL1

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1712062
5°	1380953
10°	1037946
15°	689895
20°	370040
25°	93635
30°	22219
35°	7288
40°	3011
45°	1361
50°	595
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P1212789

CATALOG NUMBER: LDA4A25950D010TE LAR25NF 4LAL1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.3	33.3
10°-20°	1460.9	49.6
20°-30°	456.4	15.5
30°-40°	37.4	1.3
40°-50°	6.5	0.2
50°-60°	1.6	0.1
60°-70°	1.0	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°	2897.6	98.4
0°-40°	2935.0	99.7
0°-60°	2943.1	100.0
0°-90°	2944.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13880	
5°	11153	980
15°	5403	1461
25°	688	456
35°	48	37
45°	8	6
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1212789

CATALOG NUMBER: LDA4A25950D010TE LAR25NF 4LAL1

CANDELA DISTRIBUTION (FULL):

	0°
0°	13880.2
1°	13605.6
2°	12942.5
3°	12246.7
4°	11672.6
5°	11153.2
6°	10667.9
7°	10145.3
8°	9552.5
9°	8937.8
10°	8287.1
11°	7664.8
12°	7079.7
13°	6514.9
14°	5956.5
15°	5402.6
17.5°	4028.1
20°	2819.1
22.5°	1826.9
25°	688.0
27.5°	274.6
30°	156.0
32.5°	82.7
35°	48.4
37.5°	29.6
40°	18.7
42.5°	10.8
45°	7.8
47.5°	4.7
50°	3.1
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
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

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



TEST NUMBER: P1212789

CATALOG NUMBER: LDA4A25950D010TE LAR25NF 4LAL1

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



85°	0.0
87.5°	0.0

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)