

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: P1191716

Luminaire Tested: **LDA4A25930D010TE 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: P1191716
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: LDA4A25930D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

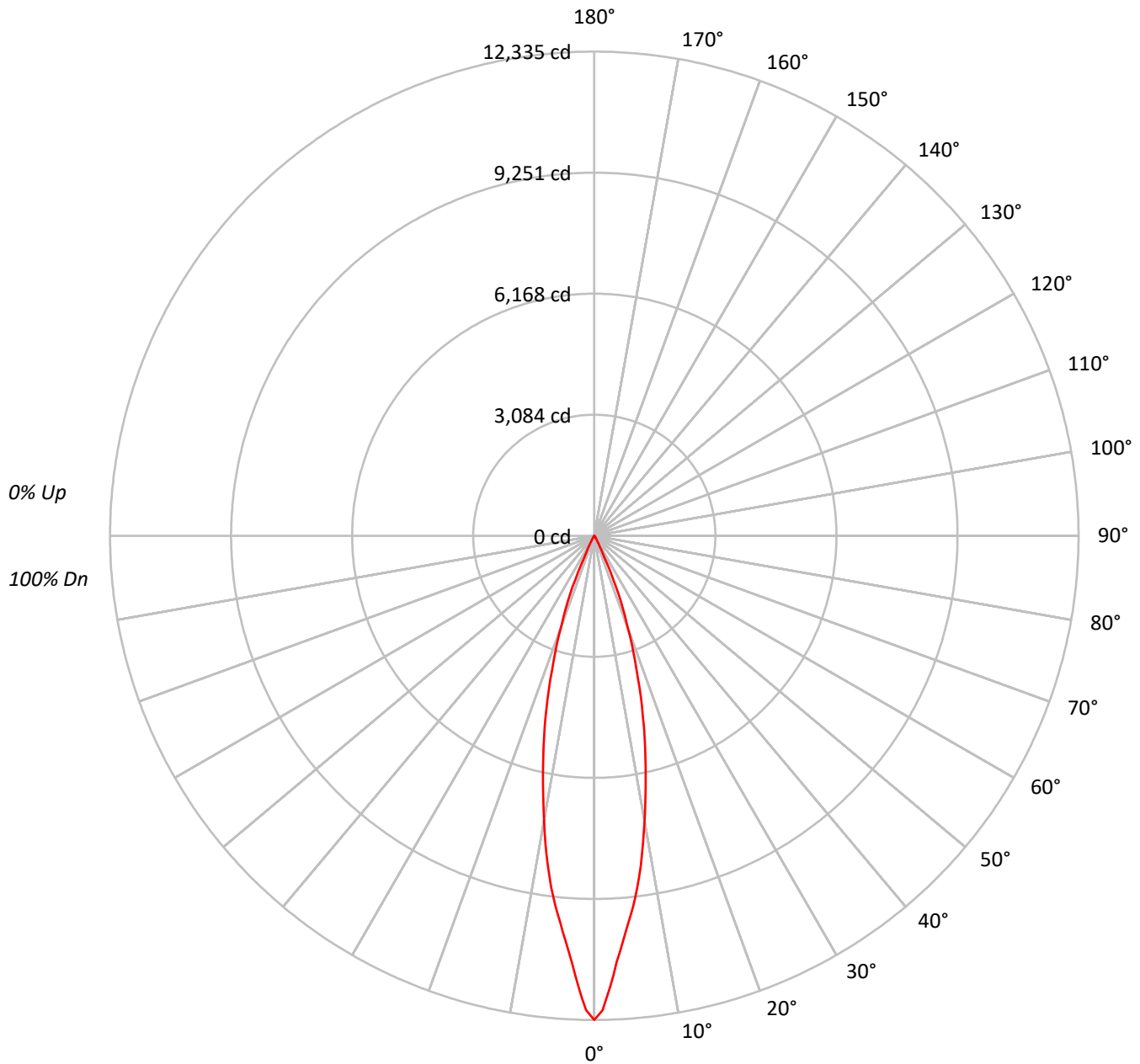
Lumens per Lamp: N/A
Luminaire Lumens: 2616.3 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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	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°	1521456
5°	1227210
10°	922405
15°	613085
20°	328850
25°	83210
30°	19755
35°	6475
40°	2689
45°	1221
50°	518
55°	301
60°	345
65°	409
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.2	33.3
10°-20°	1298.2	49.6
20°-30°	405.6	15.5
30°-40°	33.3	1.3
40°-50°	5.8	0.2
50°-60°	1.4	0.1
60°-70°	0.9	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°	2575.0	98.4
0°-40°	2608.3	99.7
0°-60°	2615.4	100.0
0°-90°	2616.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2616.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12335	
5°	9912	871
15°	4801	1298
25°	611	406
35°	43	33
45°	7	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12334.9
1°	12090.8
2°	11501.6
3°	10883.3
4°	10373.1
5°	9911.5
6°	9480.3
7°	9015.8
8°	8489.0
9°	7942.7
10°	7364.6
11°	6811.4
12°	6291.5
13°	5789.6
14°	5293.4
15°	4801.1
17.5°	3579.7
20°	2505.3
22.5°	1623.4
25°	611.4
27.5°	244.1
30°	138.7
32.5°	73.5
35°	43.0
37.5°	26.3
40°	16.7
42.5°	9.7
45°	7.0
47.5°	4.1
50°	2.7
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
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

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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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Scaled Data Report



(END OF REPORT)