

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: P1191480

Luminaire Tested: **LDA4A10940D010TE LAR25NF 4LA1**

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: P1191480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25629)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A10940D010TE LAR25NF 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 25° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

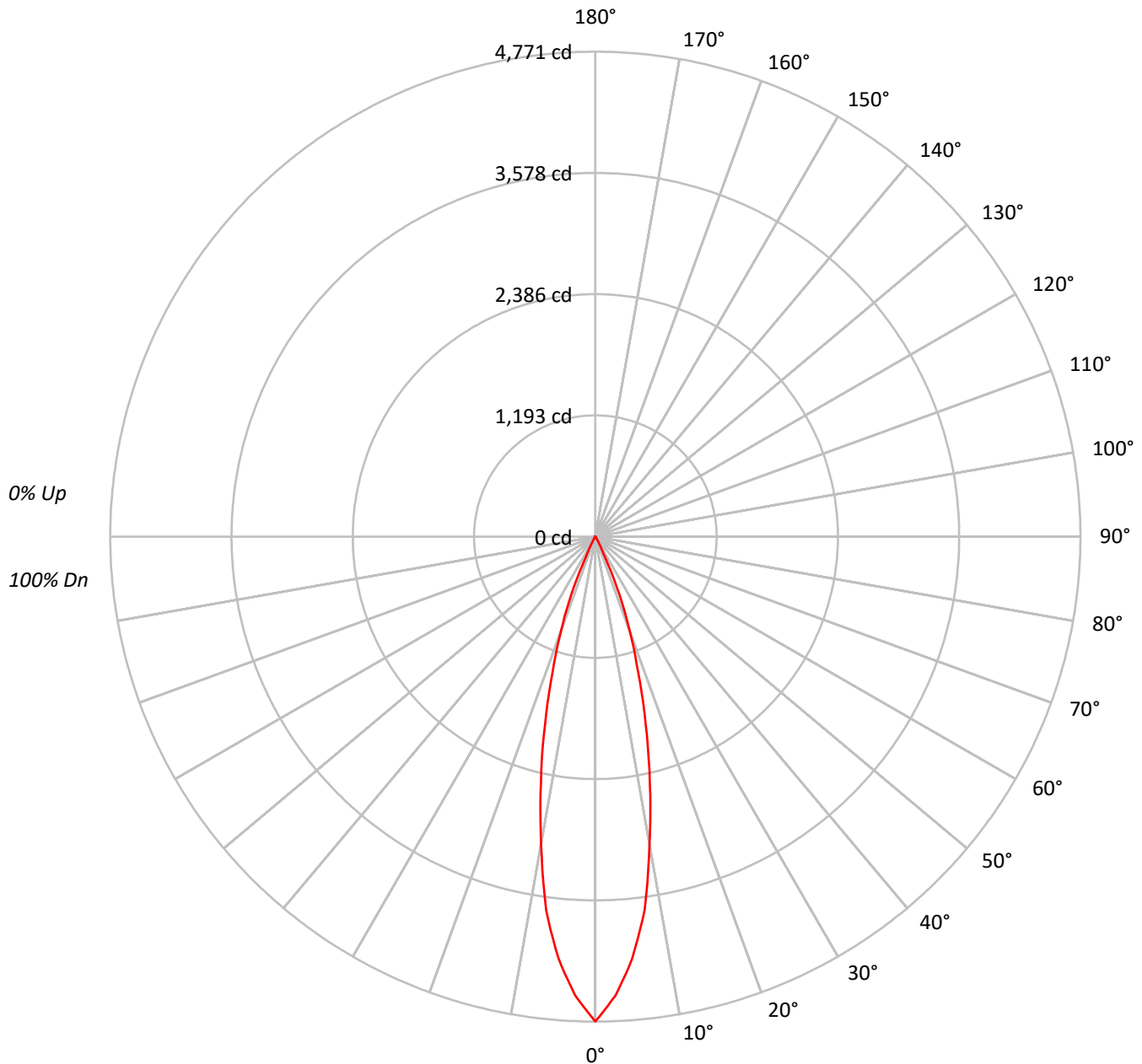
Lumens per Lamp: N/A
Luminaire Lumens: 1056.0 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	113	111	110	113	111	109	108		107	106	105			103	102	101			100
2	112	108	105	103	109	106	104	102		103	101	99			100	99	97			98
3	108	104	100	97	106	102	99	97		100	97	95			98	96	94			96
4	105	100	96	93	103	99	95	93		97	94	92			95	93	91			93
5	102	96	92	89	101	95	92	89		94	91	88			92	90	88			91
6	99	93	89	86	98	93	89	86		91	88	85			90	87	85			89
7	97	90	86	83	95	90	86	83		89	85	83			88	85	83			87
8	94	88	84	81	93	87	83	81		86	83	81			85	82	80			85
9	92	85	81	79	91	85	81	79		84	81	78			83	80	78			83
10	89	83	79	76	89	83	79	76		82	79	76			81	78	76			81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	588445
5°	515833
10°	384738
15°	244744
20°	129792
25°	29274
30°	7036
35°	2018
40°	692
45°	227
50°	115
55°	129
60°	148
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.4	34.5
10°-20°	523.6	49.6
20°-30°	154.8	14.7
30°-40°	11.0	1.0
40°-50°	1.3	0.1
50°-60°	0.5	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°	1042.9	98.8
0°-40°	1053.8	99.8
0°-60°	1055.7	100.0
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4771	
5°	4166	364
15°	1917	524
25°	215	155
35°	13	11
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4770.7
2.5°	4520.2
5°	4166.1
7.5°	3705.7
10°	3071.8
12.5°	2475.5
15°	1916.6
17.5°	1396.5
20°	988.8
22.5°	626.0
25°	215.1
27.5°	93.9
30°	49.4
32.5°	25.0
35°	13.4
37.5°	7.9
40°	4.3
42.5°	2.4
45°	1.3
47.5°	0.6
50°	0.6
52.5°	0.6
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.0
67.5°	0.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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(END OF REPORT)