

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: P170670

Luminaire Tested: **LDA4A28830D010TE LAR35FL 4LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26143)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A28830D010TE LAR35FL 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3206.6 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

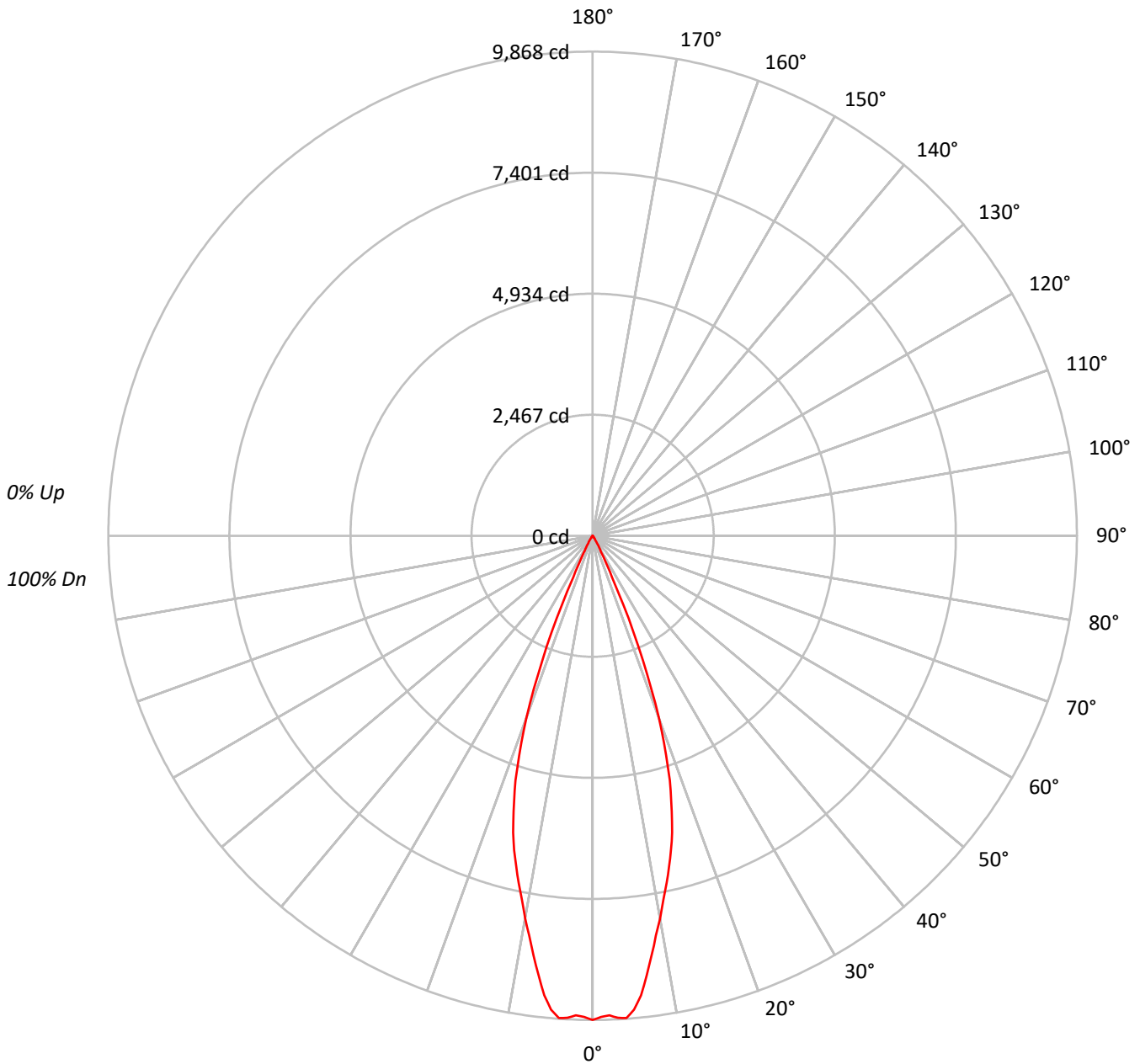
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P170670

CATALOG NUMBER: LDA4A28830D010TE LAR35FL 4LFC1

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100				100															
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	98	98	96															
2	111	107	104	102	109	106	103	101	103	100	99	100	98	96	97	96	94	93	96	94	94	93															
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	90	95	93	91	90															
4	104	99	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87	92	90	88	87															
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84	89	87	85	84															
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81	87	84	82	81															
7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	78	84	82	79	78															
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	82	79	77	76															
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74	80	77	75	74															
10	87	80	76	73	86	79	76	73	79	75	73	78	75	72	78	75	72	71	78	75	72	71															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1217125
5°	1200750
10°	991366
15°	799280
20°	517237
25°	126271
30°	30337
35°	7619
40°	2399
45°	523
50°	288
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°	859.0	26.8
10°-20°	1678.7	52.4
20°-30°	621.2	19.4
30°-40°	43.8	1.4
40°-50°	3.8	0.1
50°-60°	0.2	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°	3159.0	98.5
0°-40°	3202.7	99.9
0°-60°	3206.6	100.0
0°-90°	3206.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3206.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9868	
5°	9698	859
15°	6259	1679
25°	928	621
35°	51	44
45°	3	4
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9867.6
1°	9809.5
2°	9778.2
3°	9839.3
4°	9854.2
5°	9697.8
6°	9419.3
7°	9030.7
8°	8637.5
9°	8248.8
10°	7915.2
11°	7556.3
12°	7239.1
13°	6923.4
14°	6603.2
15°	6259.2
17.5°	5228.7
20°	3940.5
22.5°	2437.9
25°	927.8
27.5°	381.2
30°	213.0
32.5°	101.3
35°	50.6
37.5°	26.8
40°	14.9
42.5°	7.4
45°	3.0
47.5°	1.5
50°	1.5
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)