

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: P170643

Luminaire Tested: **LDA4A28935D010TE LAR25NF 4LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26142)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A28935D010TE LAR25NF 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 25° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.9 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.47
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

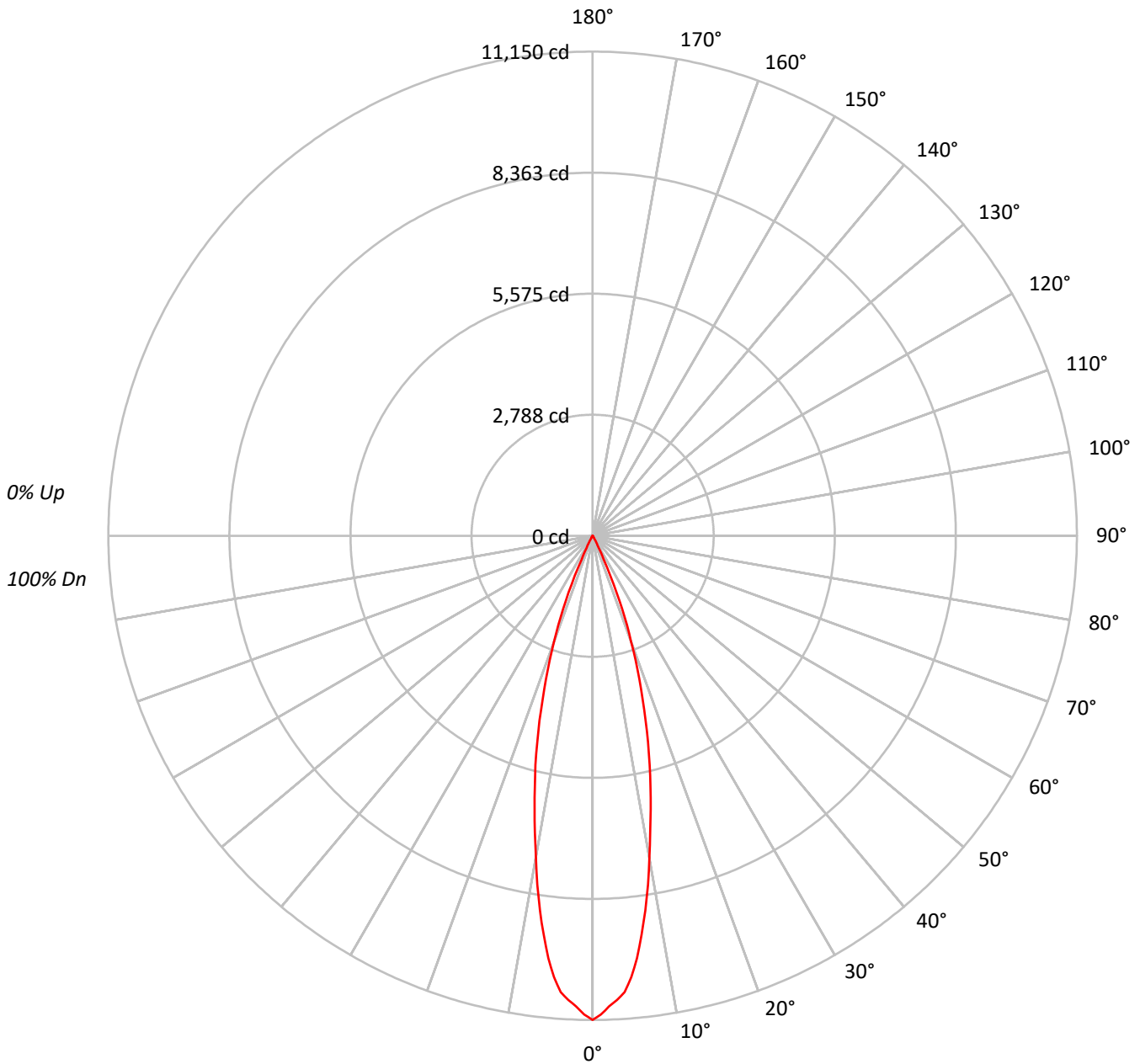
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P170643

CATALOG NUMBER: LDA4A28935D010TE LAR25NF 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	110	113	111	109	108	107	106	104	103	102	101	100	99	99	97	98	96	95	94															
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94	95	94	92	91															
3	108	104	100	97	106	102	99	96	100	97	95	98	95	94	95	94	92	91	93	91	89	88															
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	91	89	87	86															
5	102	96	92	89	100	95	92	89	94	91	88	92	89	87	91	89	87	86	91	89	87	86															
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	89	86	84	83															
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81	86	84	82	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	84	82	80	79															
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	82	79	77	76															
10	89	82	79	76	88	82	78	76	81	78	76	81	78	76	80	77	75	74	80	77	75	74															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1375341
5°	1263018
10°	943471
15°	628434
20°	340427
25°	81209
30°	19014
35°	5406
40°	1852
45°	663
50°	249
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°	884.0	33.3
10°-20°	1333.0	50.2
20°-30°	407.0	15.3
30°-40°	29.4	1.1
40°-50°	3.4	0.1
50°-60°	0.1	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°	2624.0	98.8
0°-40°	2653.4	99.9
0°-60°	2656.9	100.0
0°-90°	2656.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11150	
5°	10201	884
15°	4921	1333
25°	597	407
35°	36	29
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11150.3
1°	11024.5
2°	10843.6
3°	10707.6
4°	10534.3
5°	10200.7
6°	9781.1
7°	9256.2
8°	8714.7
9°	8137.2
10°	7532.8
11°	6956.6
12°	6429.2
13°	5923.6
14°	5435.9
15°	4921.3
17.5°	3697.1
20°	2593.5
22.5°	1618.2
25°	596.7
27.5°	241.3
30°	133.5
32.5°	66.7
35°	35.9
37.5°	20.5
40°	11.5
42.5°	6.4
45°	3.8
47.5°	1.3
50°	1.3
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)