

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: P175523

Luminaire Tested: **LDA6A15927D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26295)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A15927D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 978.5 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

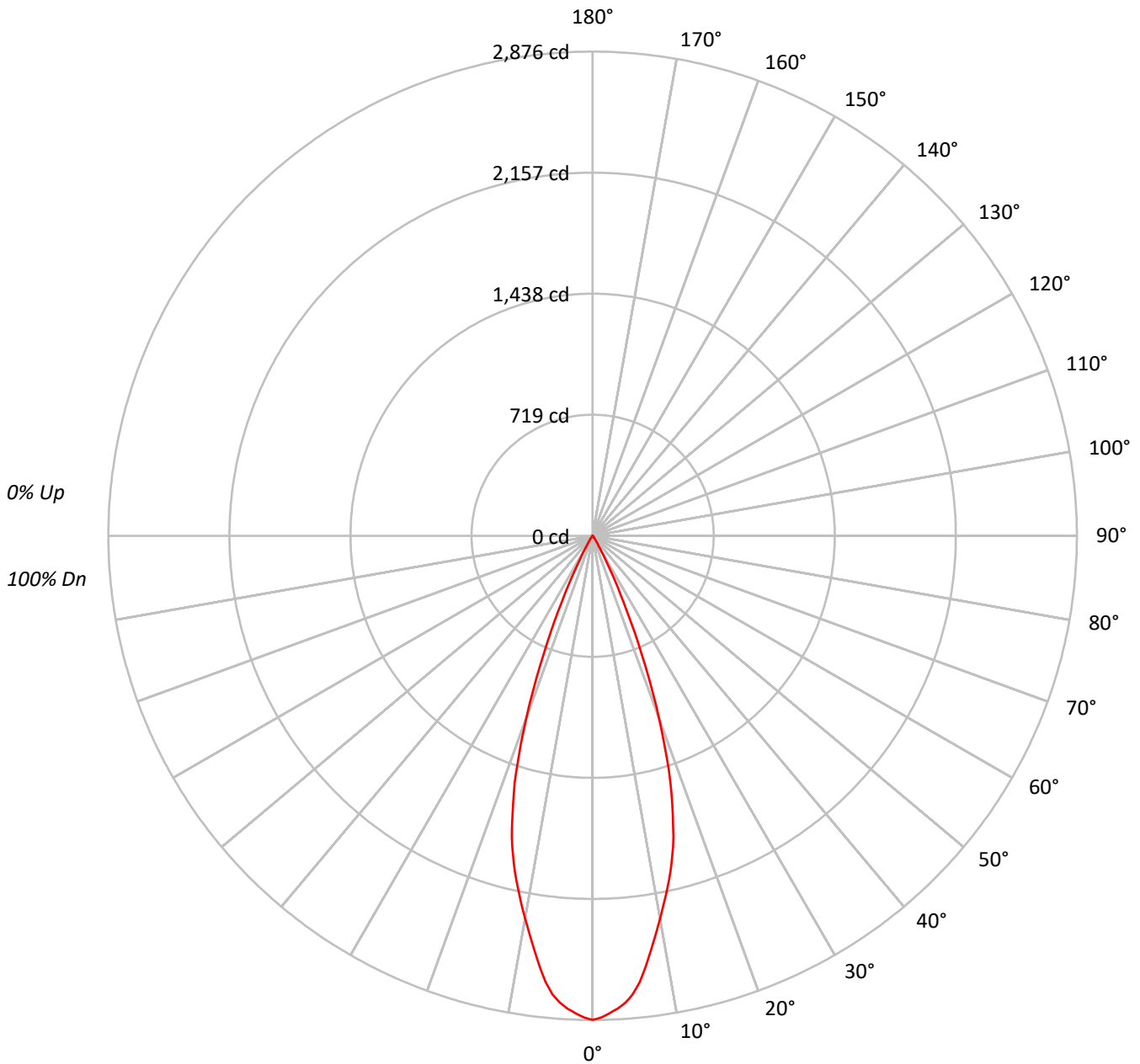
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
RC	80									70									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	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	112	111	109	107	107	105	104	103	102	101	100	99	98	96	97	95	94	93	92	91	89	88	86	84	83	81	80															
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	92	91	89	88	86	84	83	81	80	78	77	75	72															
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89	88	86	84	83	81	80	78	77	75	72	70	68	66															
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	84	83	81	80	78	77	75	72	70	68	66	64	62															
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83	81	80	78	77	75	72	70	68	66	64	62	60	58															
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	78	77	75	72	70	68	66	64	62	60	58	56	54															
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	75	72	70	68	66	64	62	60	58	56	54	52	50															
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	73	72	70	68	66	64	62	60	58	56	54	52	50															
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72	70	68	66	64	62	60	58	56	54	52	50	48	46															
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	68	66	64	62	60	58	56	54	52	50	48	46	44															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157641
5°	150434
10°	128521
15°	105222
20°	67346
25°	25943
30°	5317
35°	1412
40°	444
45°	140
50°	60
55°	38
60°	44
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	25.2
10°-20°	494.9	50.6
20°-30°	216.9	22.2
30°-40°	18.1	1.9
40°-50°	1.8	0.2
50°-60°	0.4	0.0
60°-70°	0.1	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°	958.0	97.9
0°-40°	976.2	99.8
0°-60°	978.4	100.0
0°-90°	978.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2876	
5°	2734	246
15°	1854	495
25°	429	217
35°	21	18
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2875.6
1°	2861.8
2°	2839.2
3°	2813.4
4°	2780.7
5°	2733.7
6°	2666.8
7°	2580.2
8°	2485.2
9°	2395.0
10°	2308.8
11°	2222.2
12°	2137.8
13°	2050.1
14°	1957.0
15°	1854.0
17.5°	1537.5
20°	1154.4
22.5°	753.8
25°	428.9
27.5°	199.7
30°	84.0
32.5°	43.7
35°	21.1
37.5°	11.3
40°	6.2
42.5°	3.3
45°	1.8
47.5°	1.1
50°	0.7
52.5°	0.4
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
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)