

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: P175525

Luminaire Tested: **LDA6A15935D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175525  
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: LDA6A15935D010TE LAR35FL 6LFC1  
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° 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: 1136.6 lumens  
Efficiency: N/A  
Efficacy: 51.0 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

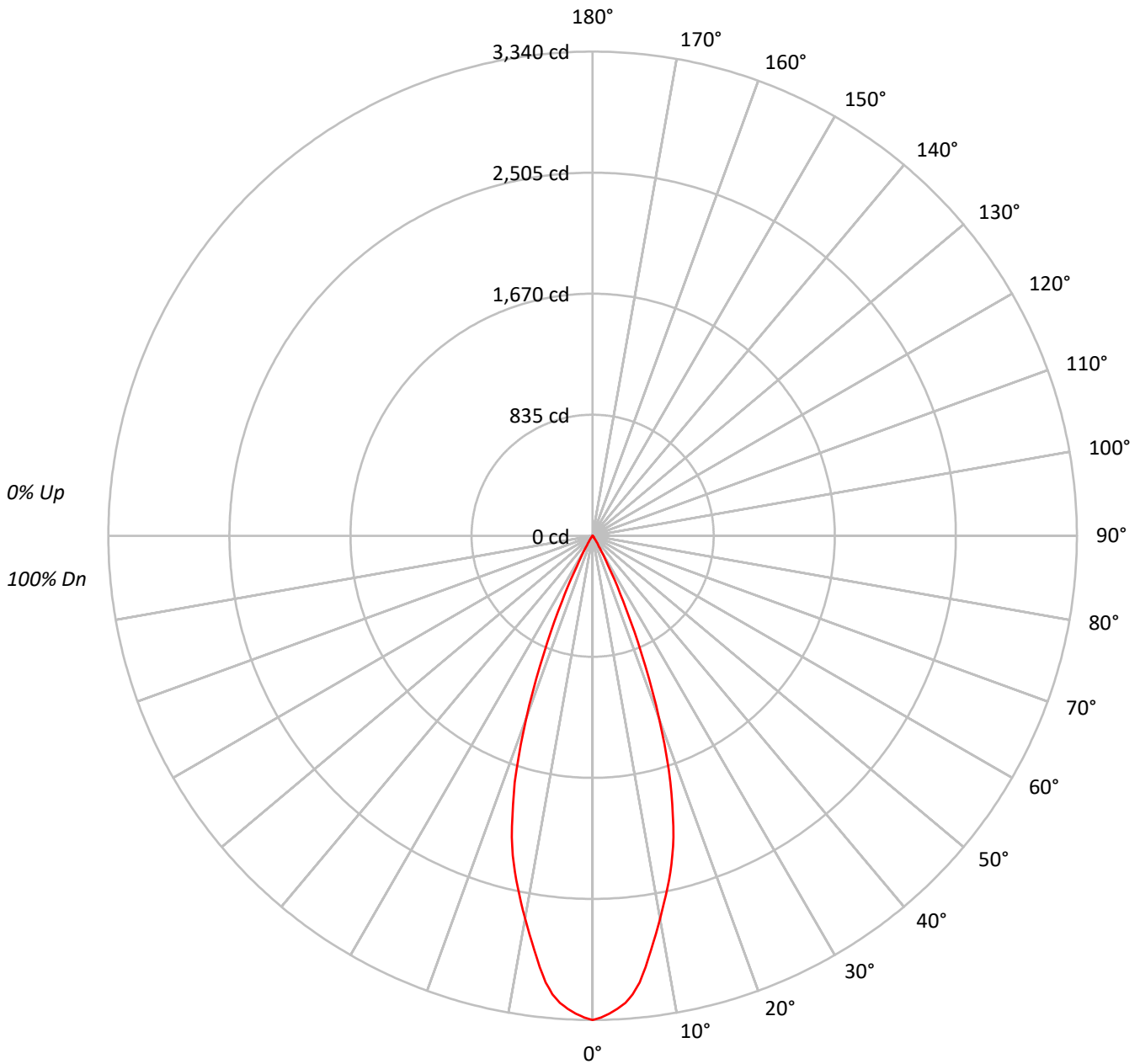
Input Watts (W): 22.27  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	112	111	109	107	107	105	104	103	102	101	100	99	98	96	96	98	96																
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	97	95	94																
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89	94	92	91																
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	91	89	87																
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83	89	86	84																
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	86	83	81																
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	83	81	78																
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	81	78	76																
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72	79	76	73																
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	76	73	71																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	183127
5°	174752
10°	149296
15°	122231
20°	78232
25°	30141
30°	6178
35°	1640
40°	515
45°	163
50°	68
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°	286.0	25.2
10°-20°	574.9	50.6
20°-30°	252.0	22.2
30°-40°	21.1	1.9
40°-50°	2.1	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°	1112.9	97.9
0°-40°	1134.0	99.8
0°-60°	1136.5	100.0
0°-90°	1136.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3340	
5°	3176	286
15°	2154	575
25°	498	252
35°	24	21
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°	3340.5
1°	3324.4
2°	3298.2
3°	3268.2
4°	3230.1
5°	3175.6
6°	3097.9
7°	2997.3
8°	2887.0
9°	2782.2
10°	2682.0
11°	2581.4
12°	2483.4
13°	2381.5
14°	2273.3
15°	2153.7
17.5°	1786.0
20°	1341.0
22.5°	875.7
25°	498.3
27.5°	232.0
30°	97.6
32.5°	50.7
35°	24.5
37.5°	13.1
40°	7.2
42.5°	3.8
45°	2.1
47.5°	1.3
50°	0.8
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)