

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: P175534

Luminaire Tested: **LDA6A30940D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175534  
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: LDA6A30940D010TE LAR35FL 6LFC1  
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° 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: 2367.6 lumens  
Efficiency: N/A  
Efficacy: 53.2 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

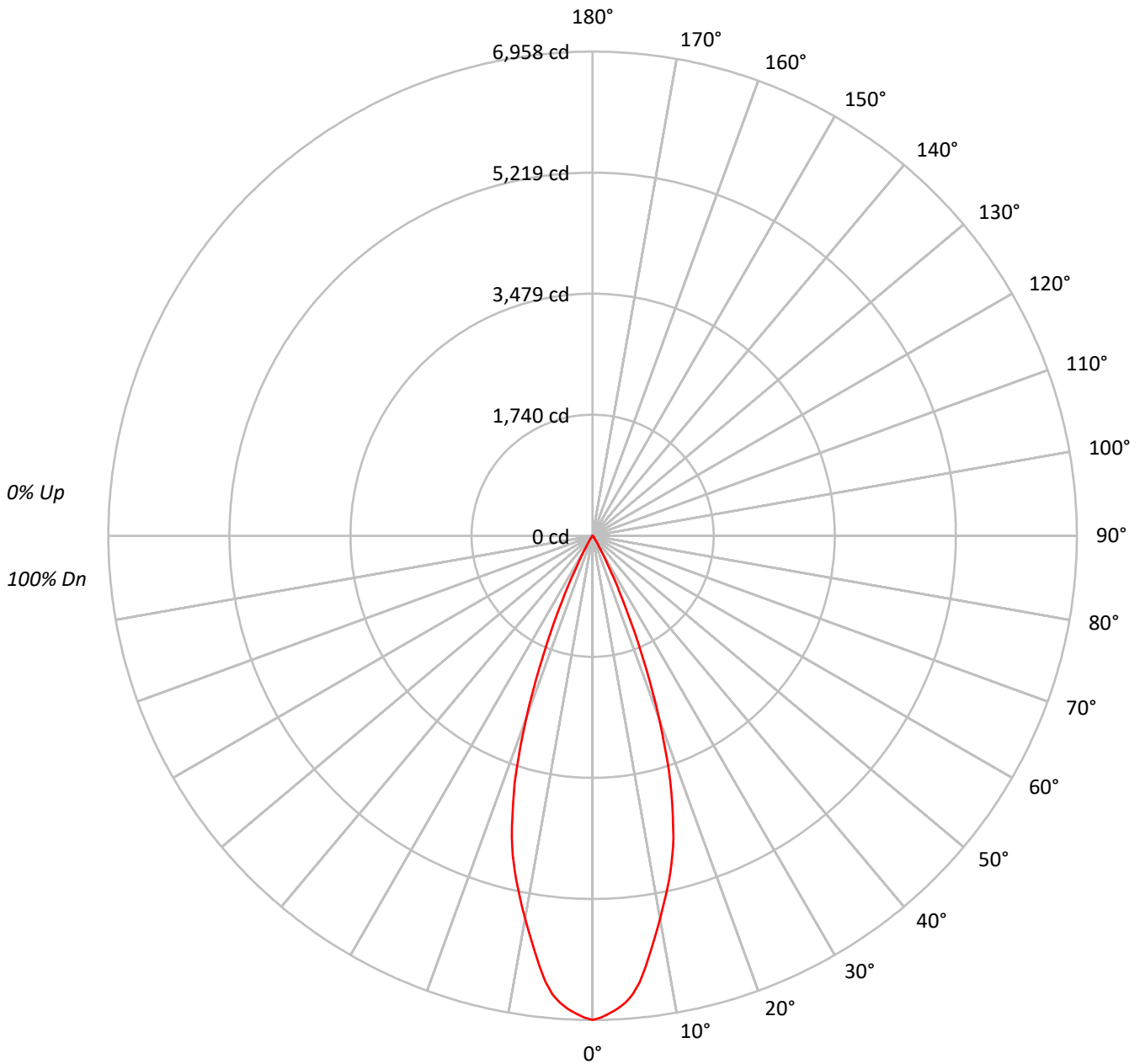
Input Watts (W): 44.49  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83	83	83	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	77	77	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	75	75	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72	72	72	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	70	70	70

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

	0°
0°	381428
5°	363993
10°	310966
15°	254593
20°	162951
25°	62780
30°	12869
35°	3420
40°	1073
45°	341
50°	154
55°	86
60°	99
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.7	25.2
10°-20°	1197.5	50.6
20°-30°	524.8	22.2
30°-40°	43.9	1.9
40°-50°	4.4	0.2
50°-60°	0.9	0.0
60°-70°	0.3	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°	2318.1	97.9
0°-40°	2362.0	99.8
0°-60°	2367.3	100.0
0°-90°	2367.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6958	
5°	6614	596
15°	4486	1198
25°	1038	525
35°	51	44
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6957.8
1°	6924.3
2°	6869.8
3°	6807.3
4°	6728.0
5°	6614.5
6°	6452.5
7°	6243.0
8°	6013.2
9°	5794.9
10°	5586.3
11°	5376.8
12°	5172.6
13°	4960.4
14°	4735.1
15°	4485.9
17.5°	3720.1
20°	2793.2
22.5°	1824.0
25°	1037.9
27.5°	483.3
30°	203.3
32.5°	105.6
35°	51.1
37.5°	27.3
40°	15.0
42.5°	7.9
45°	4.4
47.5°	2.6
50°	1.8
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
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)