

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: P175394

Luminaire Tested: **LDA6A15840D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P175394  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26262)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A15840D010TE LARL15SP 6LFC1  
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1248.8 lumens  
Efficiency: N/A  
Efficacy: 56.1 lumens/watt  
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.26  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

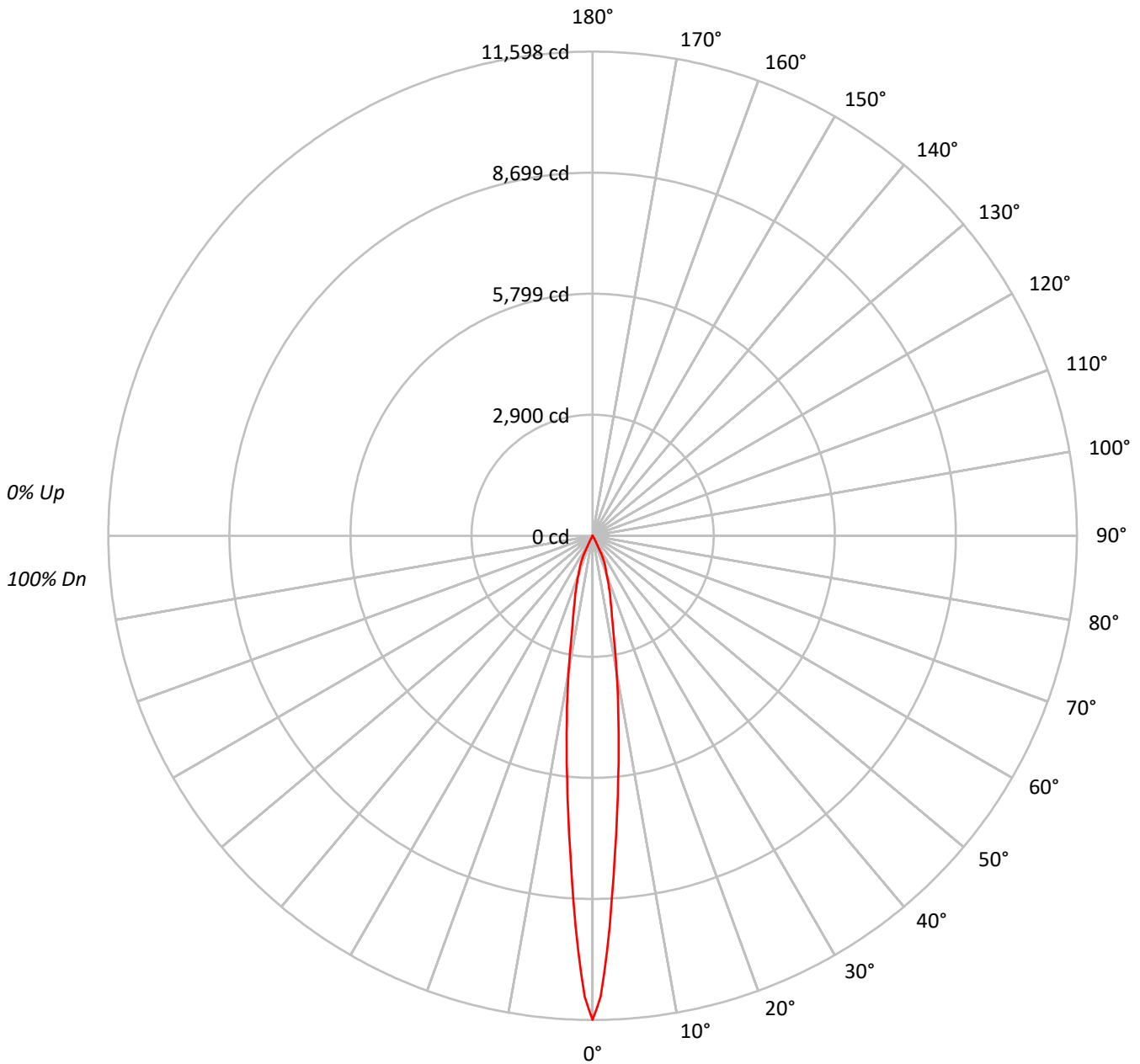
Input Watts (W): 22.27  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97			97																
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95			95																
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92			92																
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90			90																
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87			87																
6	100	95	91	88	99	94	90	88	93	89	87	91	89	87	90	88	86	85			85																
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83			83																
8	95	89	86	83	95	89	85	83	88	85	83	87	84	82	86	84	82	81			81																
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79			79																
10	91	85	81	79	90	85	81	79	84	81	79	83	81	79	83	80	78	78			78																

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

	0°
0°	635777
5°	368104
10°	184031
15°	96005
20°	57084
25°	34823
30°	703
35°	174
40°	115
45°	85
50°	43
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°	536.7	43.0
10°-20°	487.0	39.0
20°-30°	222.0	17.8
30°-40°	2.3	0.2
40°-50°	0.7	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°	1245.7	99.8
0°-40°	1248.0	99.9
0°-60°	1248.8	100.0
0°-90°	1248.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1248.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11598	
5°	6689	537
15°	1692	487
25°	576	222
35°	3	2
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11597.5
1°	11043.5
2°	9951.9
3°	8751.4
4°	7649.2
5°	6689.2
6°	5851.9
7°	5109.7
8°	4445.7
9°	3857.4
10°	3306.0
11°	2817.0
12°	2405.8
13°	2101.8
14°	1876.1
15°	1691.6
17.5°	1302.5
20°	978.5
22.5°	779.2
25°	575.7
27.5°	191.4
30°	11.1
32.5°	4.2
35°	2.6
37.5°	2.1
40°	1.6
42.5°	1.1
45°	1.1
47.5°	0.5
50°	0.5
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)