

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: P175392

Luminaire Tested: **LDA6A15830D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175392
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: LDA6A15830D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158.2 lumens
Efficiency: N/A
Efficacy: 52.0 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

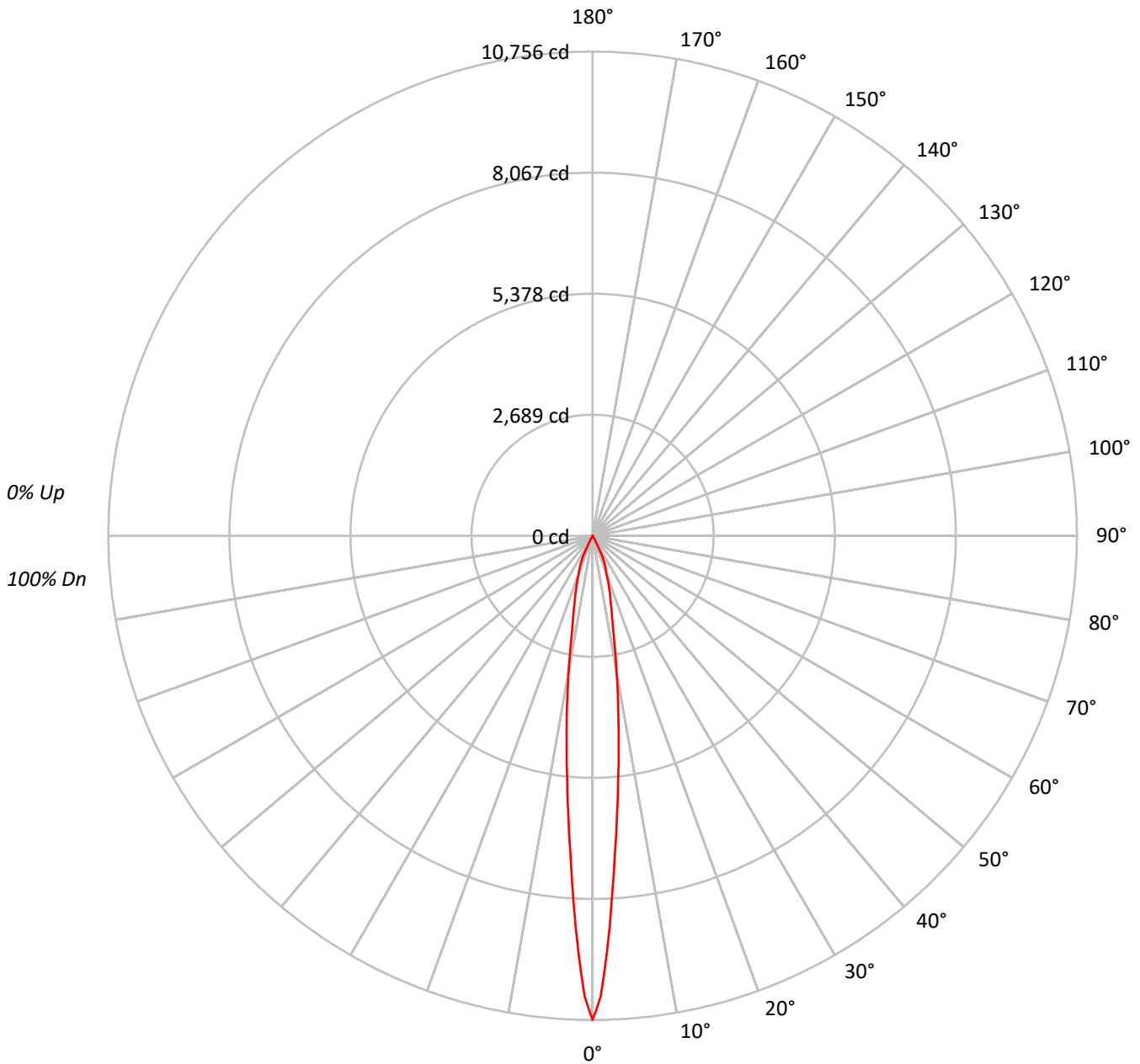
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95	95	93	92
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92	92	91	90
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90	88	87	87
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87	86	85	85
6	100	95	91	88	99	94	90	88	93	89	87	91	89	87	90	88	86	85	84	83	83
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	82	81	81
8	95	89	86	83	95	89	85	83	88	85	83	87	84	82	86	84	82	81	80	79	79
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	78	78	78
10	91	85	81	79	90	85	81	79	84	81	79	83	81	79	83	80	78	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	589635
5°	341387
10°	170677
15°	89036
20°	52942
25°	32294
30°	652
35°	167
40°	107
45°	78
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°	497.8	43.0
10°-20°	451.7	39.0
20°-30°	205.9	17.8
30°-40°	2.2	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°	1155.3	99.8
0°-40°	1157.5	99.9
0°-60°	1158.2	100.0
0°-90°	1158.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10756	
5°	6204	498
15°	1569	452
25°	534	206
35°	2	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°	10755.8
1°	10242.0
2°	9229.6
3°	8116.3
4°	7094.1
5°	6203.7
6°	5427.2
7°	4738.9
8°	4123.1
9°	3577.4
10°	3066.1
11°	2612.6
12°	2231.2
13°	1949.3
14°	1739.9
15°	1568.8
17.5°	1208.0
20°	907.5
22.5°	722.6
25°	533.9
27.5°	177.5
30°	10.3
32.5°	3.9
35°	2.5
37.5°	2.0
40°	1.5
42.5°	1.0
45°	1.0
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)