

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: P175386

Luminaire Tested: **LDA6A10840D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175386
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: LDA6A10840D010TE 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: 841.4 lumens
Efficiency: N/A
Efficacy: 60.8 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

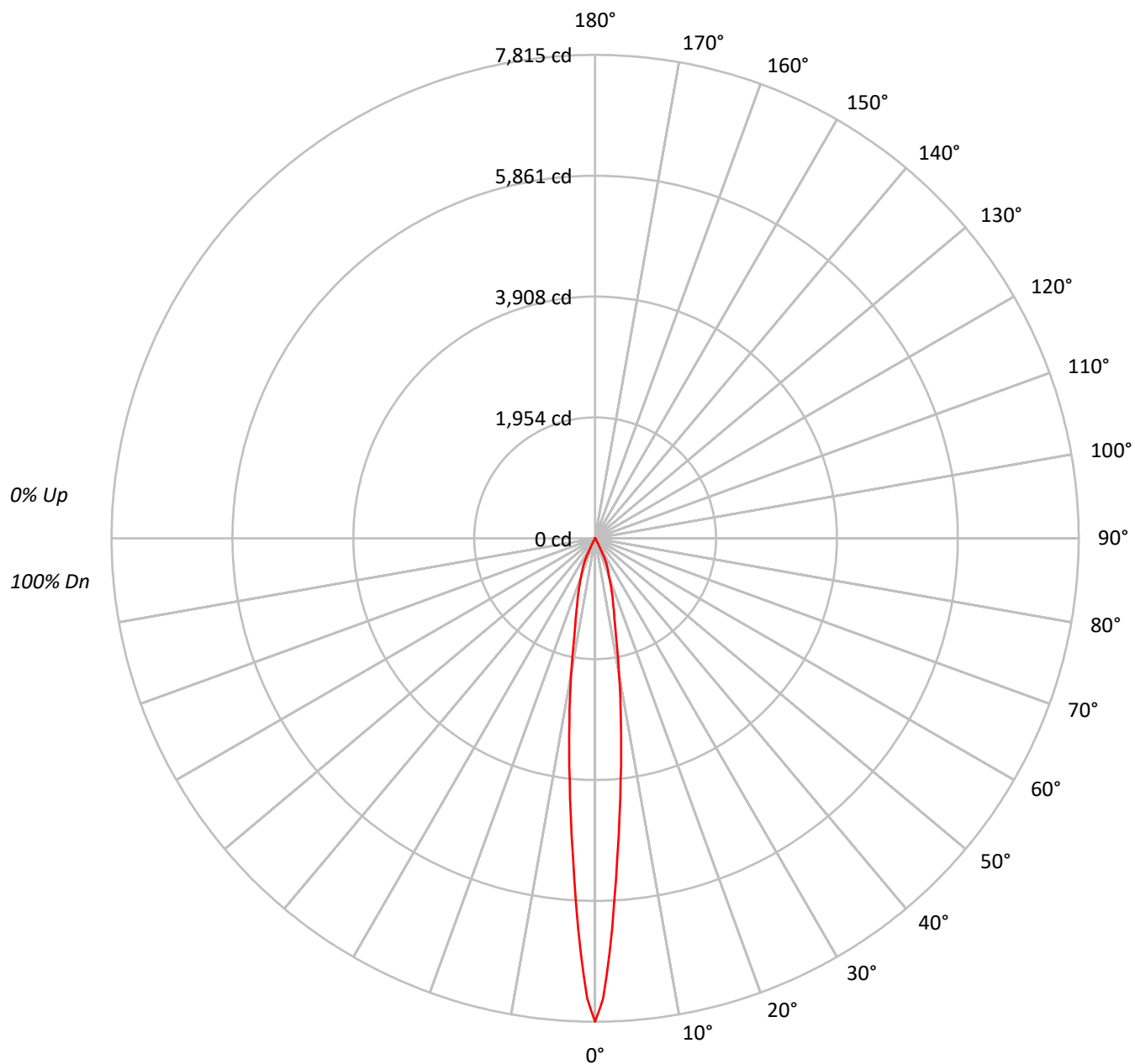
Input Watts (W): 13.84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175386

CATALOG NUMBER: LDA6A10840D010TE LARL15SP 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175386

CATALOG NUMBER: LDA6A10840D010TE LARL15SP 6LFC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	108	106	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98		107	103	100	98		101	98	96		98	96	95		96	95	93
4	106	101	97	94		104	100	96	94		98	95	93		96	94	92		94	92	91
5	103	97	94	91		102	97	93	90		95	92	90		94	91	89		92	90	88
6	100	95	91	88		99	94	90	88		93	89	87		91	89	87		90	88	86
7	98	92	88	85		97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83		95	89	85	83		88	85	83		87	84	82		86	84	82
9	93	87	83	81		92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	81	79		90	85	81	79		84	81	79		83	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	428398
5°	248035
10°	124007
15°	64688
20°	38463
25°	23463
30°	475
35°	120
40°	79
45°	54
50°	34
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175386

CATALOG NUMBER: LDA6A10840D010TE LARL15SP 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.7	43.0
10°-20°	328.2	39.0
20°-30°	149.6	17.8
30°-40°	1.6	0.2
40°-50°	0.5	0.1
50°-60°	0.0	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°	839.4	99.8
0°-40°	840.9	99.9
0°-60°	841.4	100.0
0°-90°	841.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7815	
5°	4507	362
15°	1140	328
25°	388	150
35°	2	2
45°	1	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175386

CATALOG NUMBER: LDA6A10840D010TE LARL15SP 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	7814.6
1°	7441.3
2°	6705.8
3°	5896.8
4°	5154.2
5°	4507.3
6°	3943.1
7°	3443.0
8°	2995.6
9°	2599.2
10°	2227.7
11°	1898.2
12°	1621.1
13°	1416.2
14°	1264.1
15°	1139.8
17.5°	877.7
20°	659.3
22.5°	525.0
25°	387.9
27.5°	128.9
30°	7.5
32.5°	2.8
35°	1.8
37.5°	1.4
40°	1.1
42.5°	0.7
45°	0.7
47.5°	0.4
50°	0.4
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



TEST NUMBER: P175386

CATALOG NUMBER: LDA6A10840D010TE LARL15SP 6LFC1

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)