

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: P175382

Luminaire Tested: **LDA6A20940D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175382
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: LDA6A20940D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot 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: 1327.7 lumens
Efficiency: N/A
Efficacy: 45.6 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

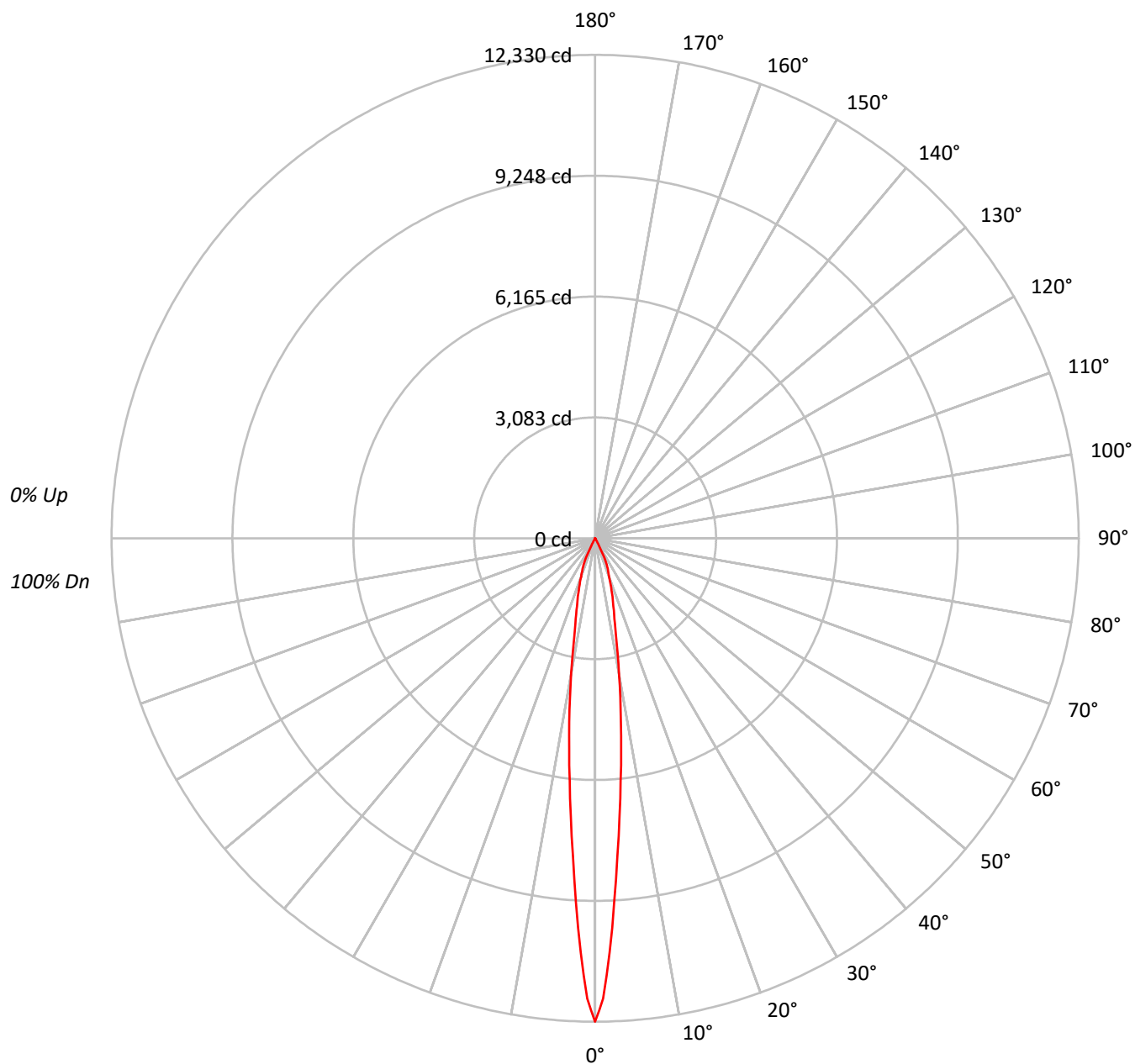
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175382

CATALOG NUMBER: LDA6A20940D010TE LARL15SP 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175382

CATALOG NUMBER: LDA6A20940D010TE 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	98	107	103	100	98	101	98	96		98	96	95		96
4	106	101	97	94	104	100	96	94	98	95	93		96	94	92		94
5	103	97	94	91	102	97	93	90	95	92	90		94	91	89		92
6	100	95	91	88	99	94	90	88	93	89	87		91	89	87		90
7	98	92	88	85	97	91	88	85	90	87	85		89	86	84		88
8	95	89	86	83	95	89	85	83	88	85	83		87	84	82		86
9	93	87	83	81	92	87	83	81	86	83	81		85	82	80		85
10	91	85	81	79	90	85	81	79	84	81	79		83	81	79		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	675944
5°	391359
10°	195660
15°	102072
20°	60689
25°	37018
30°	747
35°	187
40°	122
45°	85
50°	51
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175382

CATALOG NUMBER: LDA6A20940D010TE LARL15SP 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.6	43.0
10°-20°	517.8	39.0
20°-30°	236.0	17.8
30°-40°	2.5	0.2
40°-50°	0.8	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°	1324.4	99.8
0°-40°	1326.8	99.9
0°-60°	1327.7	100.0
0°-90°	1327.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12330	
5°	7112	571
15°	1798	518
25°	612	236
35°	3	2
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175382

CATALOG NUMBER: LDA6A20940D010TE LARL15SP 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	12330.2
1°	11741.2
2°	10580.6
3°	9304.2
4°	8132.4
5°	7111.8
6°	6221.6
7°	5432.5
8°	4726.6
9°	4101.1
10°	3514.9
11°	2995.0
12°	2557.8
13°	2234.6
14°	1994.6
15°	1798.5
17.5°	1384.8
20°	1040.3
22.5°	828.4
25°	612.0
27.5°	203.5
30°	11.8
32.5°	4.5
35°	2.8
37.5°	2.2
40°	1.7
42.5°	1.1
45°	1.1
47.5°	0.6
50°	0.6
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: P175382

CATALOG NUMBER: LDA6A20940D010TE 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)