

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: P175378

Luminaire Tested: **LDA6A20840D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175378
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: LDA6A20840D010TE 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: 1547.1 lumens
Efficiency: N/A
Efficacy: 53.1 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

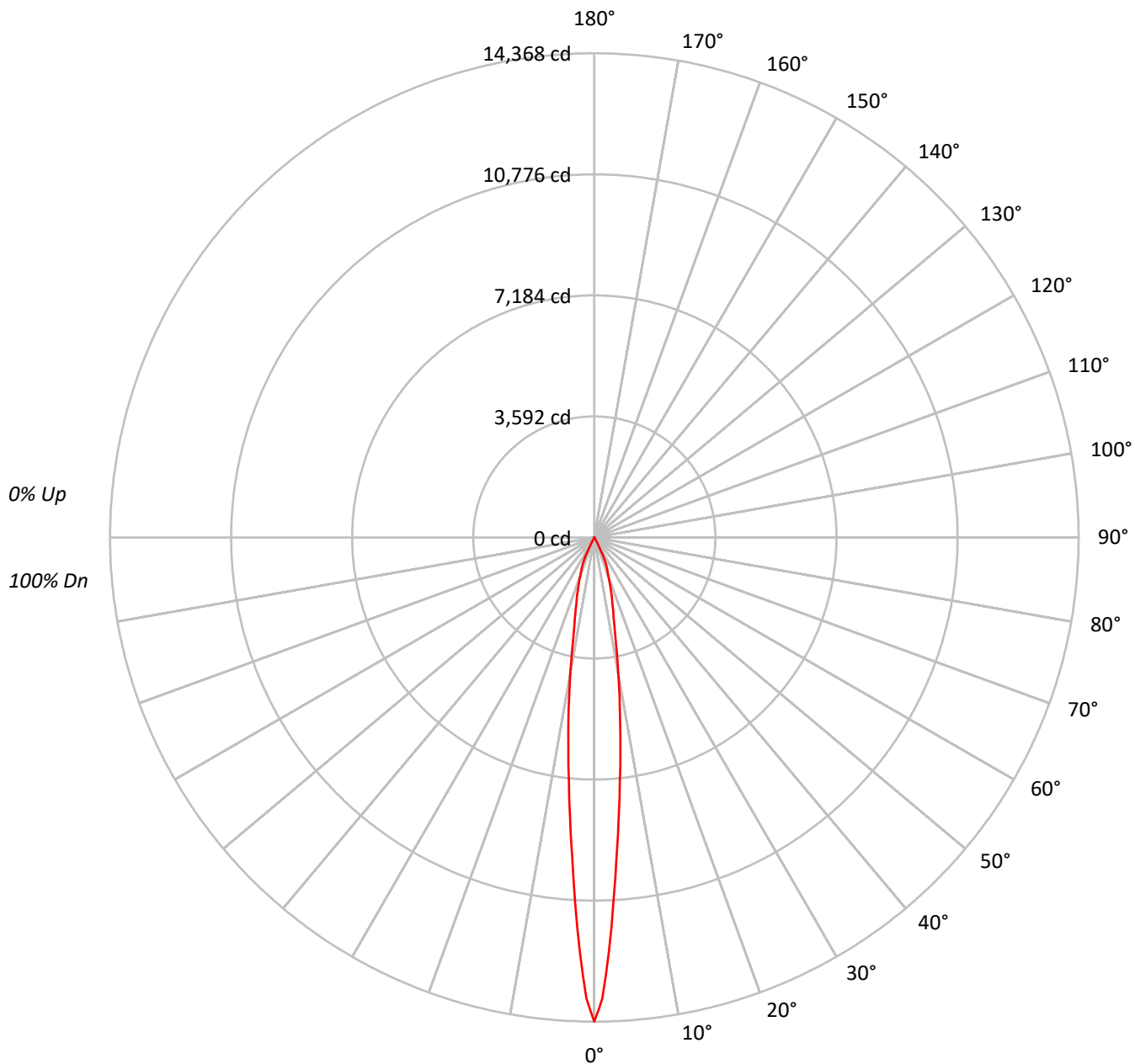
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175378

CATALOG NUMBER: LDA6A20840D010TE LARL15SP 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175378

CATALOG NUMBER: LDA6A20840D010TE 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°	787673
5°	456047
10°	228002
15°	118939
20°	70724
25°	43140
30°	874
35°	221
40°	143
45°	101
50°	60
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175378

CATALOG NUMBER: LDA6A20840D010TE LARL15SP 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.0	43.0
10°-20°	603.4	39.0
20°-30°	275.0	17.8
30°-40°	2.9	0.2
40°-50°	0.9	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°	1543.3	99.8
0°-40°	1546.2	99.9
0°-60°	1547.1	100.0
0°-90°	1547.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14368	
5°	8287	665
15°	2096	603
25°	713	275
35°	3	3
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175378

CATALOG NUMBER: LDA6A20840D010TE LARL15SP 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	14368.3
1°	13681.9
2°	12329.5
3°	10842.2
4°	9476.7
5°	8287.3
6°	7250.0
7°	6330.4
8°	5507.9
9°	4778.9
10°	4095.9
11°	3490.1
12°	2980.5
13°	2604.0
14°	2324.3
15°	2095.7
17.5°	1613.7
20°	1212.3
22.5°	965.4
25°	713.2
27.5°	237.1
30°	13.8
32.5°	5.2
35°	3.3
37.5°	2.6
40°	2.0
42.5°	1.3
45°	1.3
47.5°	0.7
50°	0.7
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: P175378

CATALOG NUMBER: LDA6A20840D010TE 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)