

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: P175379

Luminaire Tested: **LDA6A20927D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175379
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: LDA6A20927D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1064.5 lumens
Efficiency: N/A
Efficacy: 36.6 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

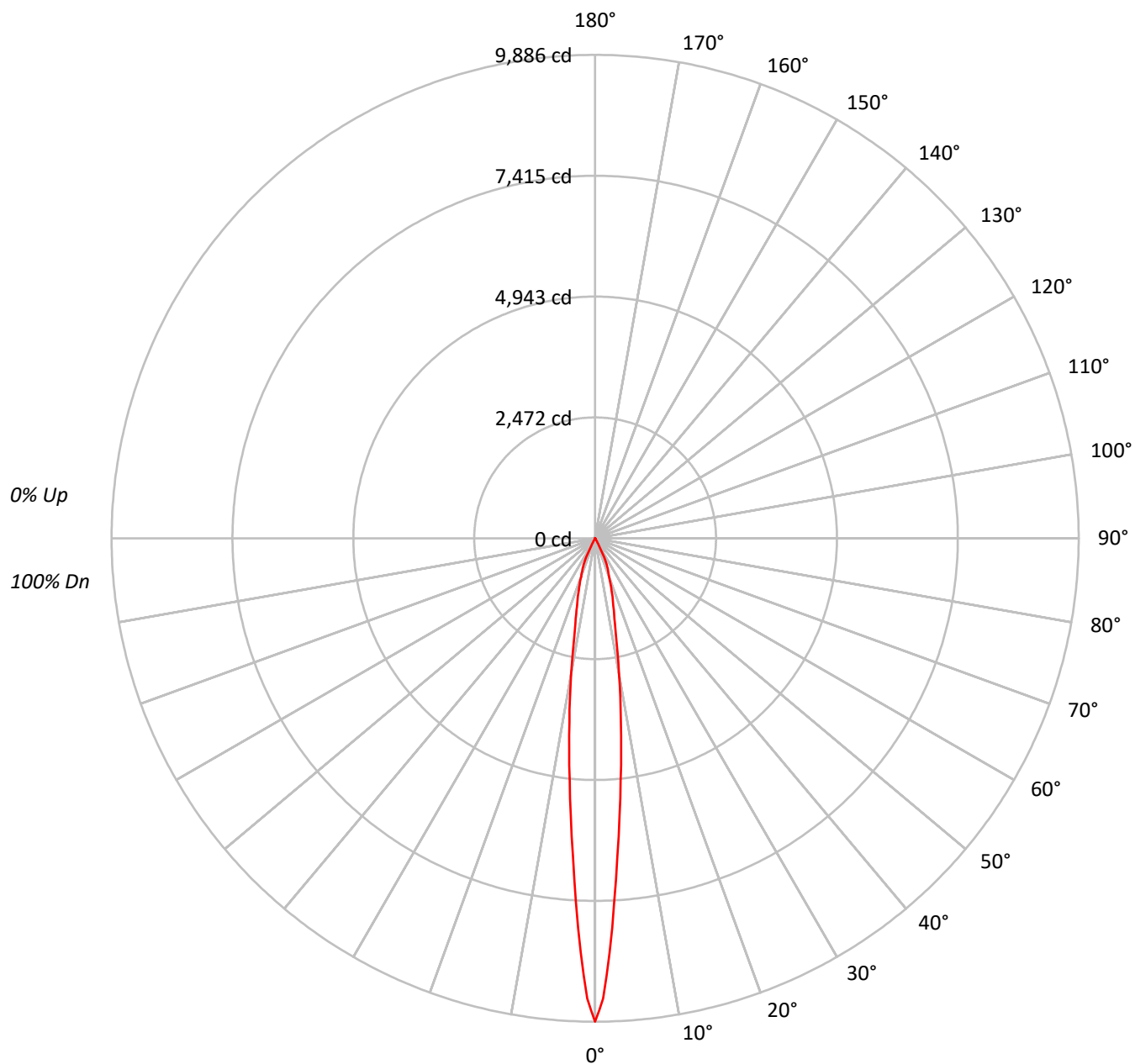
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	541941
5°	313773
10°	156872
15°	81834
20°	48660
25°	29681
30°	601
35°	154
40°	100
45°	70
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°	457.5	43.0
10°-20°	415.1	39.0
20°-30°	189.2	17.8
30°-40°	2.0	0.2
40°-50°	0.6	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°	1061.8	99.8
0°-40°	1063.8	99.9
0°-60°	1064.5	100.0
0°-90°	1064.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9886	
5°	5702	458
15°	1442	415
25°	491	189
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°	9885.8
1°	9413.6
2°	8483.1
3°	7459.7
4°	6520.2
5°	5701.9
6°	4988.2
7°	4355.5
8°	3789.6
9°	3288.1
10°	2818.1
11°	2401.3
12°	2050.7
13°	1791.6
14°	1599.2
15°	1441.9
17.5°	1110.3
20°	834.1
22.5°	664.2
25°	490.7
27.5°	163.1
30°	9.5
32.5°	3.6
35°	2.3
37.5°	1.8
40°	1.4
42.5°	0.9
45°	0.9
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)