

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: P175388

Luminaire Tested: **LDA6A10930D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175388
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: LDA6A10930D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 667.4 lumens
Efficiency: N/A
Efficacy: 48.2 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

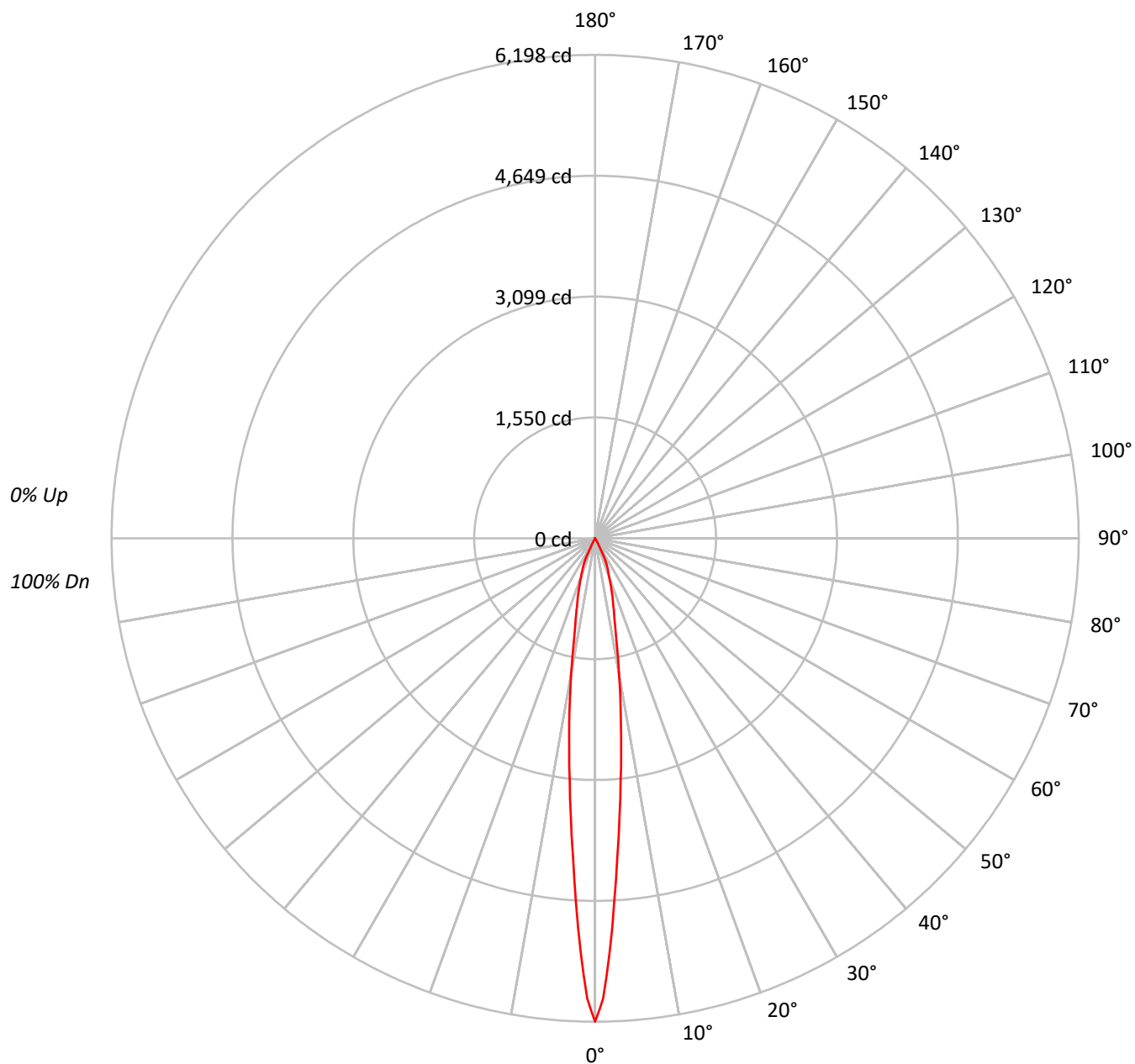
Input Watts (W): 13.84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	339770
5°	196720
10°	98350
15°	51306
20°	30505
25°	18612
30°	373
35°	94
40°	57
45°	47
50°	26
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°	286.8	43.0
10°-20°	260.3	39.0
20°-30°	118.6	17.8
30°-40°	1.2	0.2
40°-50°	0.4	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°	665.7	99.8
0°-40°	667.0	99.9
0°-60°	667.4	100.0
0°-90°	667.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6198	
5°	3575	287
15°	904	260
25°	308	119
35°	1	1
45°	1	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6197.9
1°	5901.9
2°	5318.5
3°	4676.9
4°	4087.9
5°	3574.8
6°	3127.4
7°	2730.7
8°	2375.9
9°	2061.5
10°	1766.8
11°	1505.5
12°	1285.7
13°	1123.2
14°	1002.6
15°	904.0
17.5°	696.1
20°	522.9
22.5°	416.4
25°	307.7
27.5°	102.3
30°	5.9
32.5°	2.3
35°	1.4
37.5°	1.1
40°	0.8
42.5°	0.6
45°	0.6
47.5°	0.3
50°	0.3
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)