

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: P175400

Luminaire Tested: **LDA6A30830D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175400
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: LDA6A30830D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246.7 lumens
Efficiency: N/A
Efficacy: 50.5 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

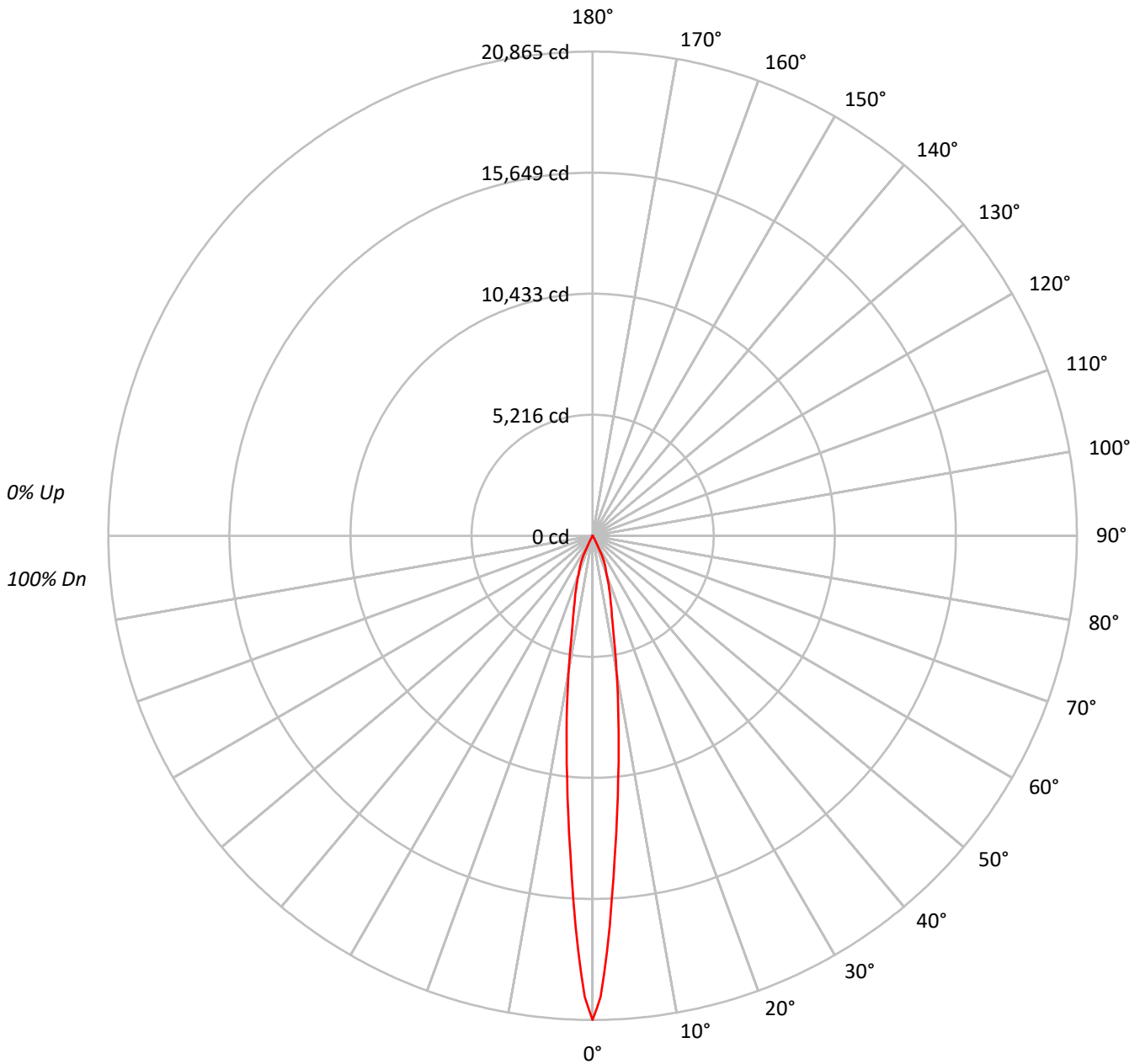
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1143845
5°	662264
10°	331095
15°	172725
20°	102699
25°	62647
30°	1266
35°	321
40°	208
45°	147
50°	85
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°	965.6	43.0
10°-20°	876.2	39.0
20°-30°	399.3	17.8
30°-40°	4.2	0.2
40°-50°	1.3	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°	2241.2	99.8
0°-40°	2245.3	99.9
0°-60°	2246.7	100.0
0°-90°	2246.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20865	
5°	12035	966
15°	3043	876
25°	1036	399
35°	5	4
45°	2	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20865.4
1°	19868.6
2°	17904.7
3°	15744.8
4°	13761.9
5°	12034.7
6°	10528.3
7°	9193.0
8°	7998.4
9°	6939.9
10°	5947.9
11°	5068.2
12°	4328.3
13°	3781.4
14°	3375.3
15°	3043.4
17.5°	2343.4
20°	1760.4
22.5°	1401.9
25°	1035.7
27.5°	344.3
30°	20.0
32.5°	7.6
35°	4.8
37.5°	3.8
40°	2.9
42.5°	1.9
45°	1.9
47.5°	1.0
50°	1.0
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)