

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: P1192082

Luminaire Tested: **LDA6A25935D010TE LARL15SP 6LFC1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192082
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: LDA6A25935D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

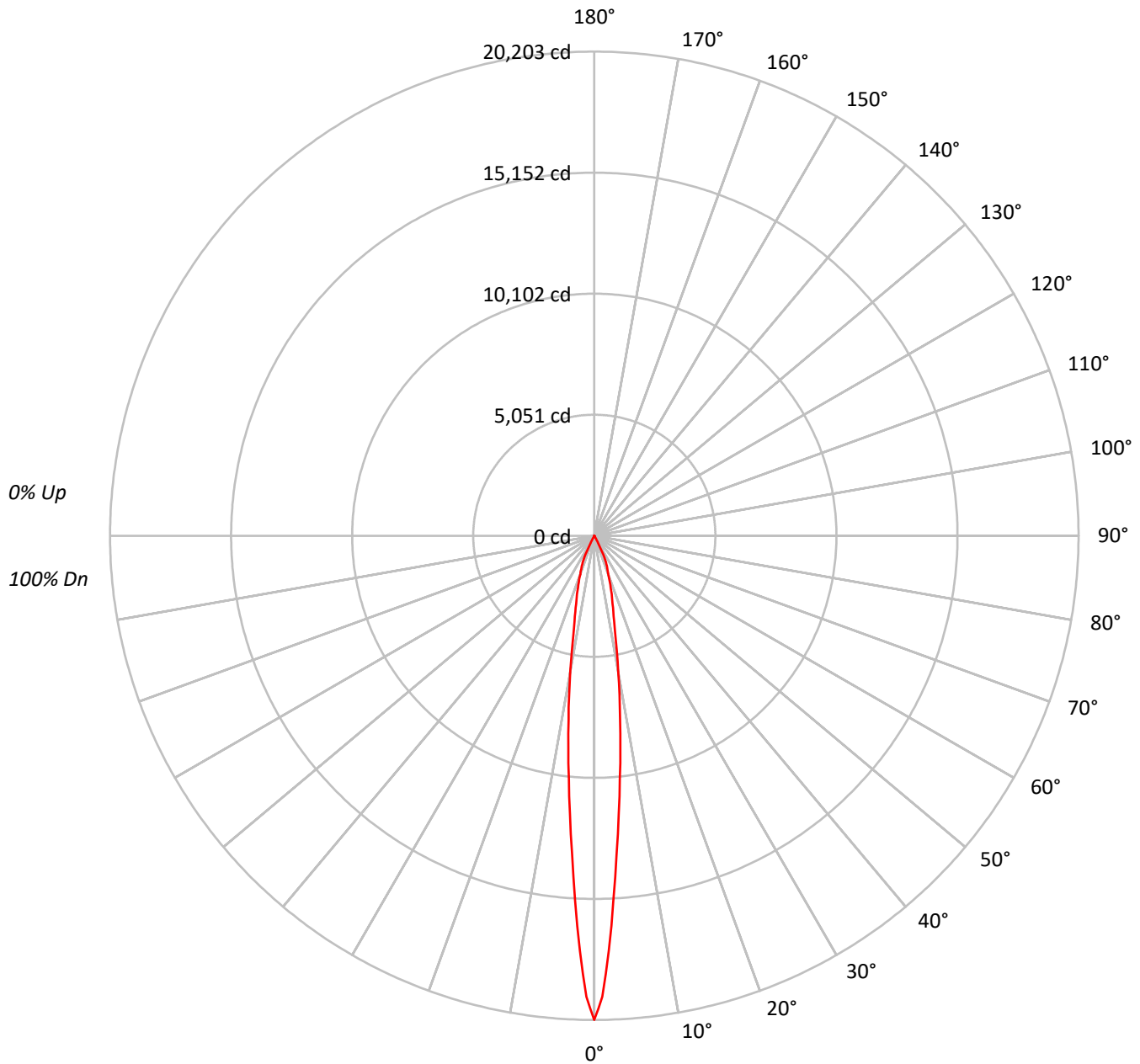
Lumens per Lamp: N/A
Luminaire Lumens: 2175.4 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.26
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.2
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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110	113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	108	106	103	110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	98	107	103	100	98		101	98	96		98	96	95		96	95	93
4	106	101	97	94	104	100	96	94		98	95	93		96	94	92		94	92	91
5	103	97	94	91	102	97	93	90		95	92	90		94	91	89		92	90	88
6	100	95	91	88	99	94	90	88		93	89	87		91	89	87		90	88	86
7	98	92	88	85	97	91	88	85		90	87	85		89	86	84		88	86	84
8	95	89	86	83	95	89	85	83		88	85	83		87	84	82		86	84	82
9	93	87	83	81	92	87	83	81		86	83	81		85	82	80		85	82	80
10	91	85	81	79	90	85	81	79		84	81	79		83	81	79		83	80	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1107515
5°	641232
10°	320580
15°	167237
20°	99438
25°	60657
30°	1228
35°	308
40°	200
45°	140
50°	77
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°	935.0	43.0
10°-20°	848.4	39.0
20°-30°	386.7	17.8
30°-40°	4.0	0.2
40°-50°	1.2	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°	2170.0	99.8
0°-40°	2174.0	99.9
0°-60°	2175.4	100.0
0°-90°	2175.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20203	
5°	11652	935
15°	2947	848
25°	1003	387
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°	20202.7
1°	19237.6
2°	17336.0
3°	15244.8
4°	13324.8
5°	11652.5
6°	10193.9
7°	8901.0
8°	7744.3
9°	6719.6
10°	5759.0
11°	4907.2
12°	4190.8
13°	3661.3
14°	3268.1
15°	2946.7
17.5°	2269.1
20°	1704.5
22.5°	1357.4
25°	1002.8
27.5°	333.4
30°	19.4
32.5°	7.4
35°	4.6
37.5°	3.7
40°	2.8
42.5°	1.8
45°	1.8
47.5°	0.9
50°	0.9
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

Classified

Scaled Data Report

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)