

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: P1192159

Luminaire Tested: **LDA6A35940D010TE 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: P1192159
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: LDA6A35940D010TE LARL15SP 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 15° Spot Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

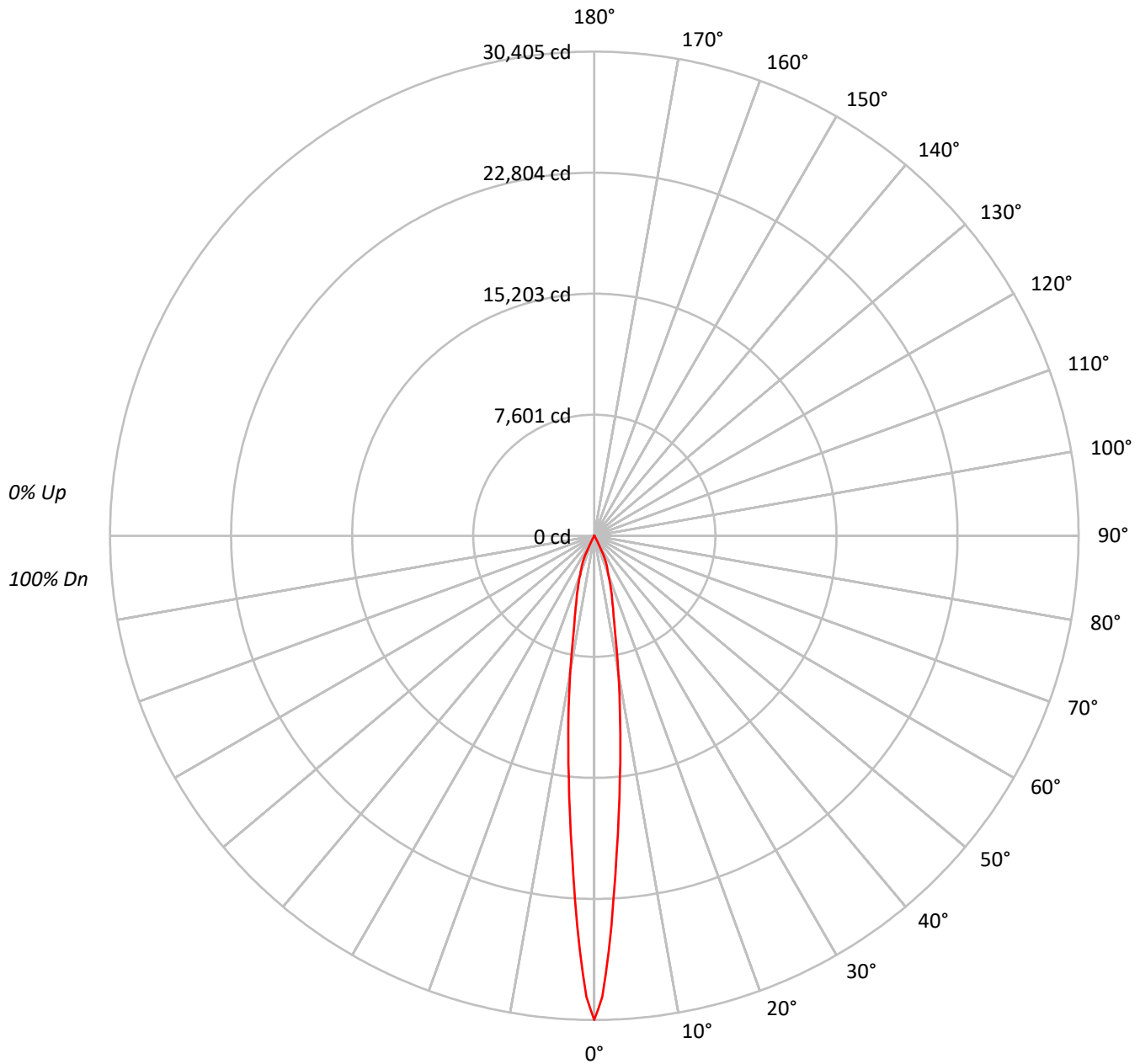
Lumens per Lamp: N/A
Luminaire Lumens: 3273.9 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.26
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95		
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92		
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90		
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87		
6	100	95	91	88	99	94	90	88	93	89	87	91	89	87	90	88	86	85		
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83		
8	95	89	86	83	95	89	85	83	88	85	83	87	84	82	86	84	82	81		
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79		
10	91	85	81	79	90	85	81	79	84	81	79	83	81	79	83	80	78	78		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1666818
5°	965059
10°	482478
15°	251698
20°	149656
25°	91281
30°	1842
35°	462
40°	301
45°	209
50°	128
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°	1407.1	43.0
10°-20°	1276.8	39.0
20°-30°	581.9	17.8
30°-40°	6.0	0.2
40°-50°	1.9	0.1
50°-60°	0.2	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°	3265.8	99.8
0°-40°	3271.9	99.9
0°-60°	3273.9	100.0
0°-90°	3273.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3273.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30405	
5°	17537	###
15°	4435	1277
25°	1509	582
35°	7	6
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	30405.2
1°	28952.7
2°	26090.8
3°	22943.3
4°	20053.8
5°	17537.1
6°	15341.9
7°	13396.1
8°	11655.4
9°	10112.9
10°	8667.4
11°	7385.4
12°	6307.3
13°	5510.3
14°	4918.5
15°	4434.9
17.5°	3414.8
20°	2565.3
22.5°	2042.8
25°	1509.1
27.5°	501.8
30°	29.1
32.5°	11.1
35°	6.9
37.5°	5.4
40°	4.2
42.5°	2.7
45°	2.7
47.5°	1.5
50°	1.5
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

Classified
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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

Classified

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— 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)