

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: P1192140

Luminaire Tested: **LDA6A35927D010TE LARL20NF 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: P1192140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A35927D010TE LARL20NF 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 20° Narrow Flood
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

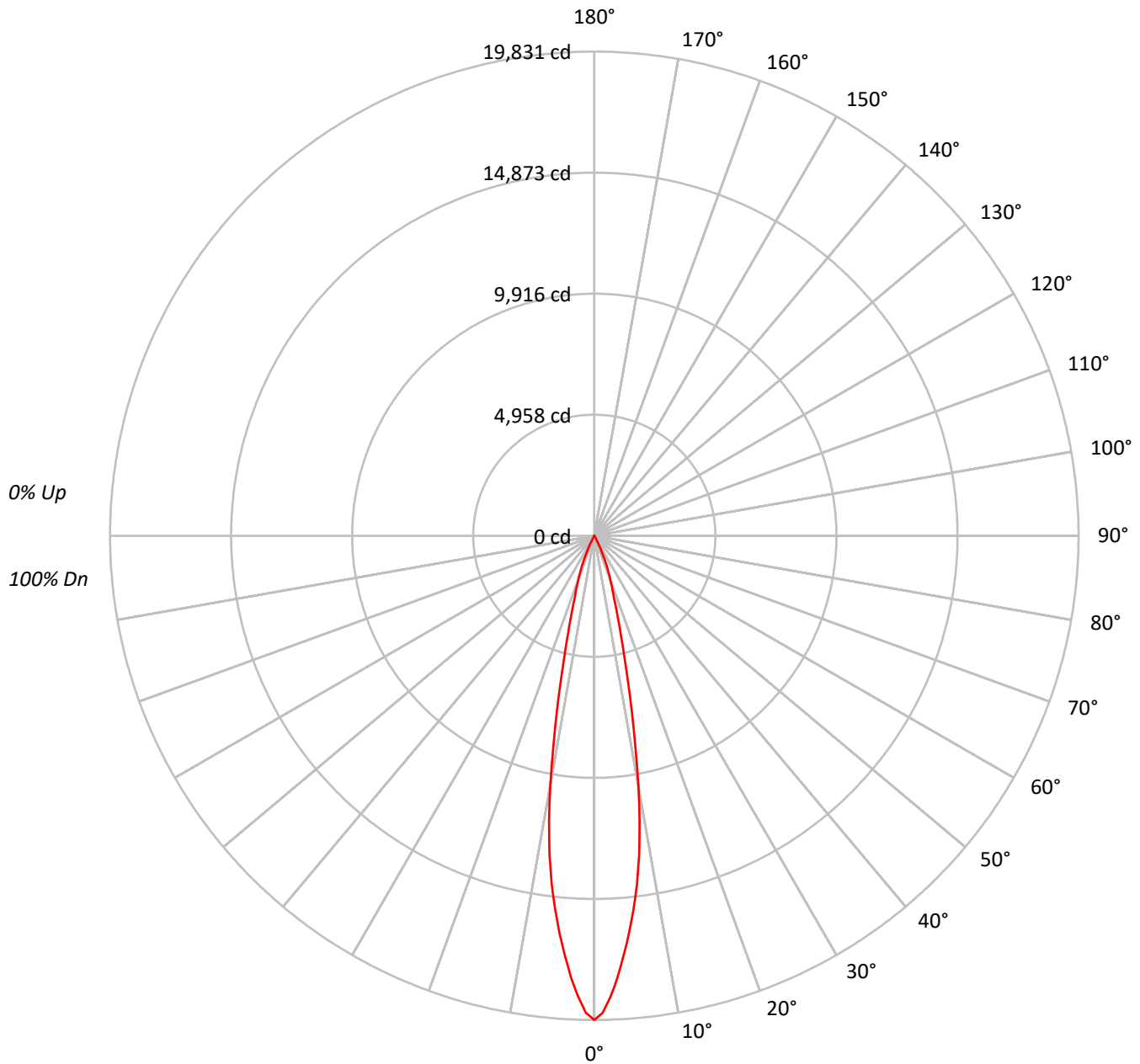
Lumens per Lamp: N/A
Luminaire Lumens: 2995.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	114	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	102	98	95	105	101	97	95	99	96	94		97	95	93		95
5	104	99	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	90	100	95	92	89	94	91	89		93	90	88		92
7	99	93	90	87	98	93	89	87	92	89	87		91	88	86		90
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88
9	95	89	85	83	94	89	85	83	88	85	83		87	84	82		86
10	93	87	84	81	92	87	83	81	86	83	81		85	83	81		85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1087155
5°	898848
10°	578045
15°	235637
20°	112482
25°	42154
30°	3026
35°	596
40°	250
45°	93
50°	102
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°	1377.4	46.0
10°-20°	1261.7	42.1
20°-30°	345.9	11.5
30°-40°	8.5	0.3
40°-50°	1.3	0.0
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°	2985.1	99.7
0°-40°	2993.6	100.0
0°-60°	2995.1	100.0
0°-90°	2995.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2995.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19831	
5°	16334	###
15°	4152	1262
25°	697	346
35°	9	9
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°	19831.3
1°	19542.3
2°	18901.2
3°	18117.8
4°	17238.7
5°	16333.9
6°	15380.6
7°	14349.4
8°	13171.2
9°	11847.7
10°	10384.2
11°	8837.1
12°	7395.8
13°	6094.5
14°	5038.6
15°	4151.9
17.5°	2660.5
20°	1928.1
22.5°	1303.5
25°	696.9
27.5°	233.3
30°	47.8
32.5°	16.8
35°	8.9
37.5°	5.7
40°	3.5
42.5°	2.2
45°	1.2
47.5°	1.2
50°	1.2
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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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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— 0°-180°

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85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)