

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: P1192163

Luminaire Tested: **LDA6A35950D010TE LAR35FL 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: P1192163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26295)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A35950D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

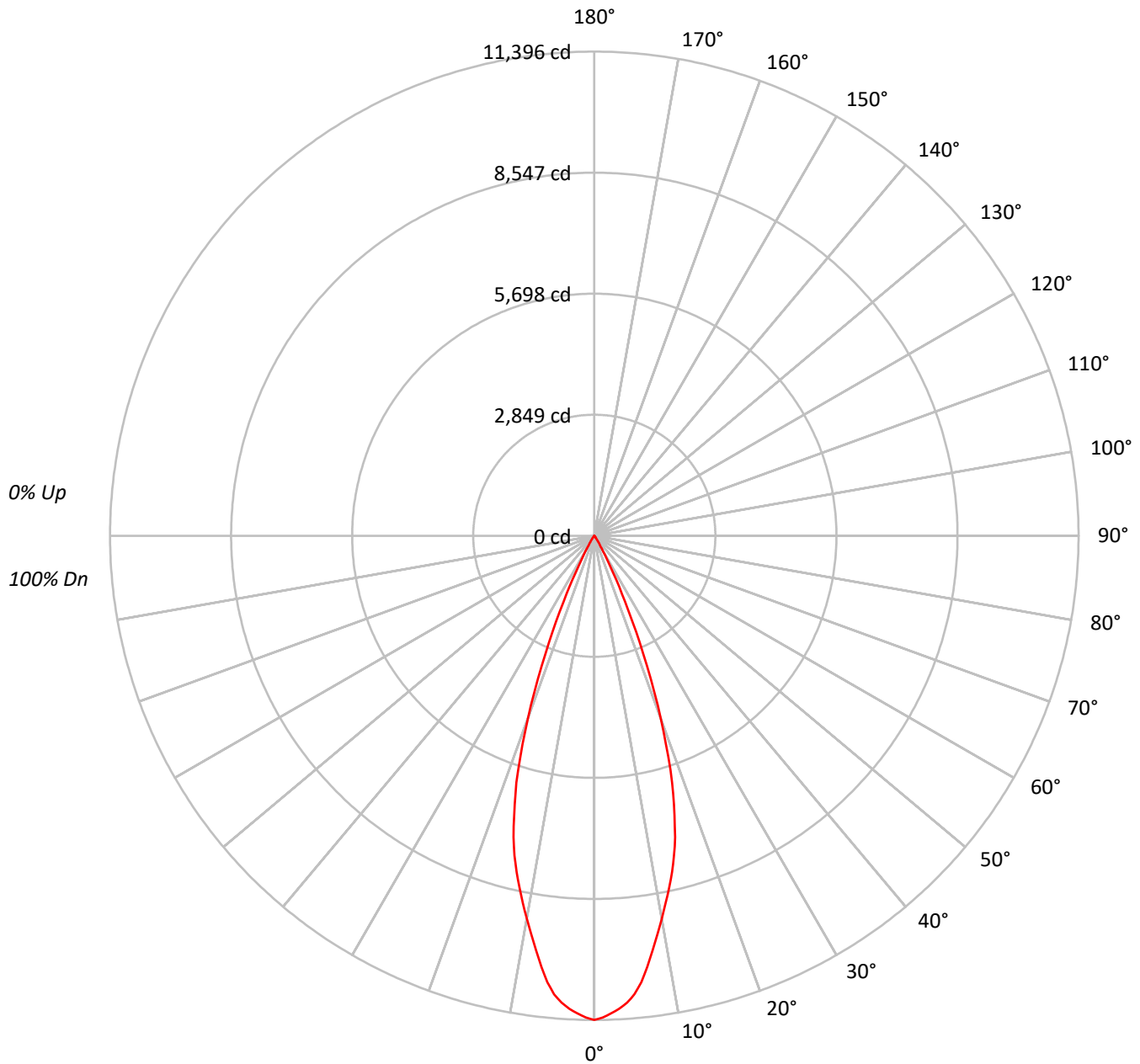
Lumens per Lamp: N/A
Luminaire Lumens: 3877.9 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	109	112	111	109	107		107	105	104			103	102	101			100
2	111	107	104	101	109	105	103	100		102	100	98			99	98	96			97
3	107	102	99	96	105	101	98	95		98	96	93			96	94	92			94
4	104	98	94	91	102	97	93	90		95	92	89			93	90	88			91
5	100	94	90	87	99	93	89	86		92	88	85			90	87	85			89
6	97	90	86	83	96	90	86	83		88	85	82			87	84	82			86
7	94	87	83	80	93	87	82	79		85	82	79			84	81	79			83
8	91	84	80	77	90	84	79	77		83	79	76			82	78	76			81
9	88	81	77	74	87	81	77	74		80	76	74			79	76	73			79
10	86	79	74	72	85	78	74	71		78	74	71			77	74	71			76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	624709
5°	596157
10°	509315
15°	416983
20°	266875
25°	102816
30°	21086
35°	5595
40°	1760
45°	558
50°	239
55°	153
60°	175
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	975.7	25.2
10°-20°	1961.3	50.6
20°-30°	859.6	22.2
30°-40°	71.9	1.9
40°-50°	7.2	0.2
50°-60°	1.6	0.0
60°-70°	0.6	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°	3796.6	97.9
0°-40°	3868.5	99.8
0°-60°	3877.3	100.0
0°-90°	3877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3877.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11396	
5°	10833	976
15°	7347	1961
25°	1700	860
35°	84	72
45°	7	7
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11395.6
1°	11340.9
2°	11251.4
3°	11149.1
4°	11019.3
5°	10833.4
6°	10568.3
7°	10225.1
8°	9848.6
9°	9491.1
10°	9149.5
11°	8806.4
12°	8471.7
13°	8124.3
14°	7755.2
15°	7347.2
17.5°	6092.8
20°	4574.6
22.5°	2987.4
25°	1699.8
27.5°	791.4
30°	333.1
32.5°	173.1
35°	83.6
37.5°	44.6
40°	24.6
42.5°	13.1
45°	7.2
47.5°	4.4
50°	2.8
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
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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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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85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)