

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: P175524

Luminaire Tested: **LDA6A15930D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175524
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: LDA6A15930D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1127.9 lumens
Efficiency: N/A
Efficacy: 50.6 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

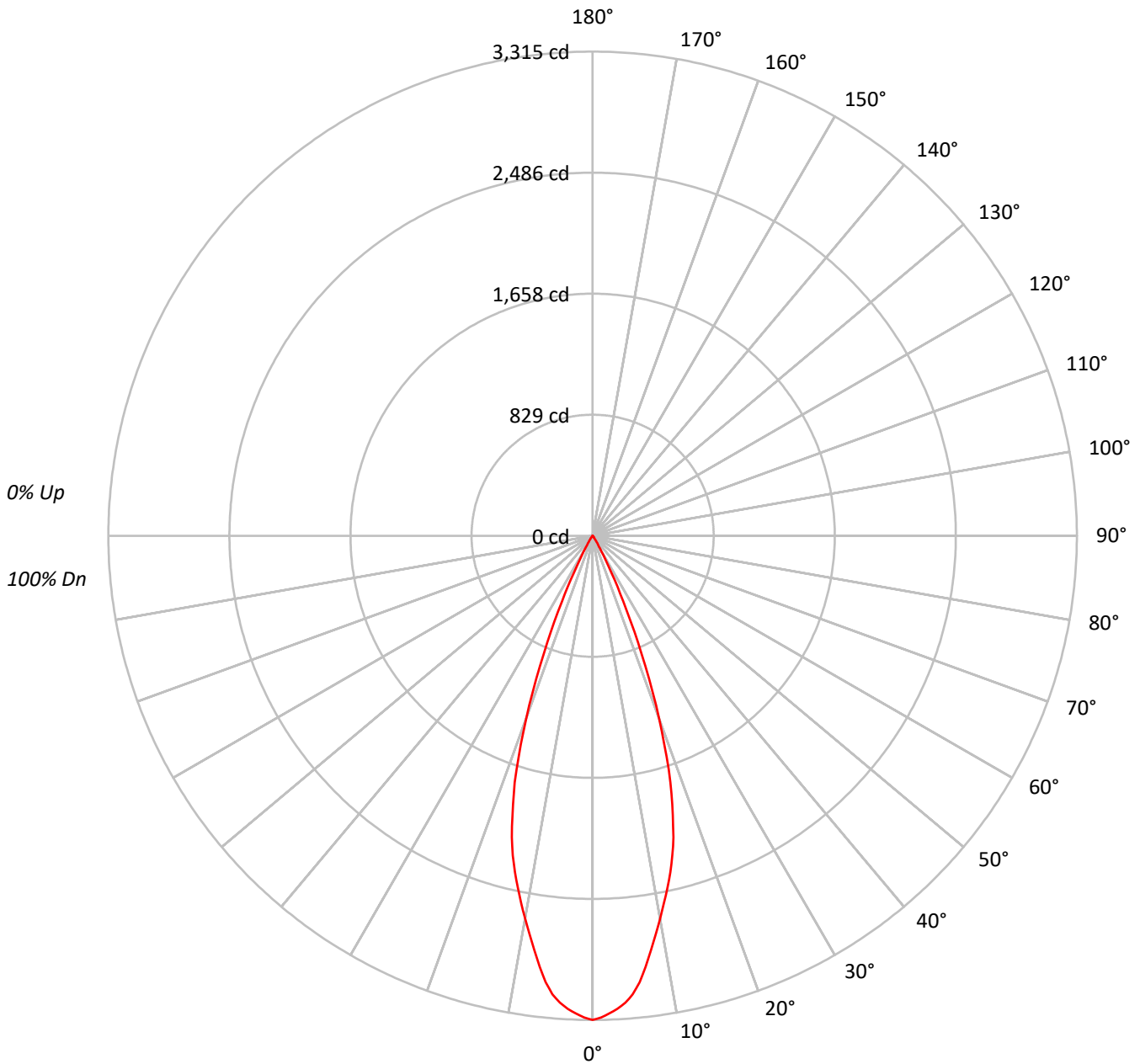
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175524

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175524

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LFC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96	96	98	96																
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93				93															
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89				89															
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86				86															
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83				83															
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80				80															
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77				77															
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75				75															
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72				72															
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70				70															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181718
5°	173415
10°	148149
15°	121295
20°	77631
25°	29911
30°	6134
35°	1626
40°	508
45°	163
50°	68
55°	38
60°	44
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175524

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	25.2
10°-20°	570.5	50.6
20°-30°	250.0	22.2
30°-40°	20.9	1.9
40°-50°	2.1	0.2
50°-60°	0.4	0.0
60°-70°	0.1	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°	1104.4	97.9
0°-40°	1125.3	99.8
0°-60°	1127.8	100.0
0°-90°	1127.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3315	
5°	3151	284
15°	2137	571
25°	494	250
35°	24	21
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175524

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	3314.8
1°	3298.9
2°	3272.9
3°	3243.1
4°	3205.4
5°	3151.3
6°	3074.1
7°	2974.3
8°	2864.8
9°	2760.8
10°	2661.4
11°	2561.6
12°	2464.3
13°	2363.3
14°	2255.9
15°	2137.2
17.5°	1772.3
20°	1330.7
22.5°	869.0
25°	494.5
27.5°	230.2
30°	96.9
32.5°	50.3
35°	24.3
37.5°	13.0
40°	7.1
42.5°	3.8
45°	2.1
47.5°	1.3
50°	0.8
52.5°	0.4
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
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



TEST NUMBER: P175524

CATALOG NUMBER: LDA6A15930D010TE LAR35FL 6LFC1

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)