

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: P175532

Luminaire Tested: **LDA6A30930D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175532
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: LDA6A30930D010TE 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: 2188.1 lumens
Efficiency: N/A
Efficacy: 49.2 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

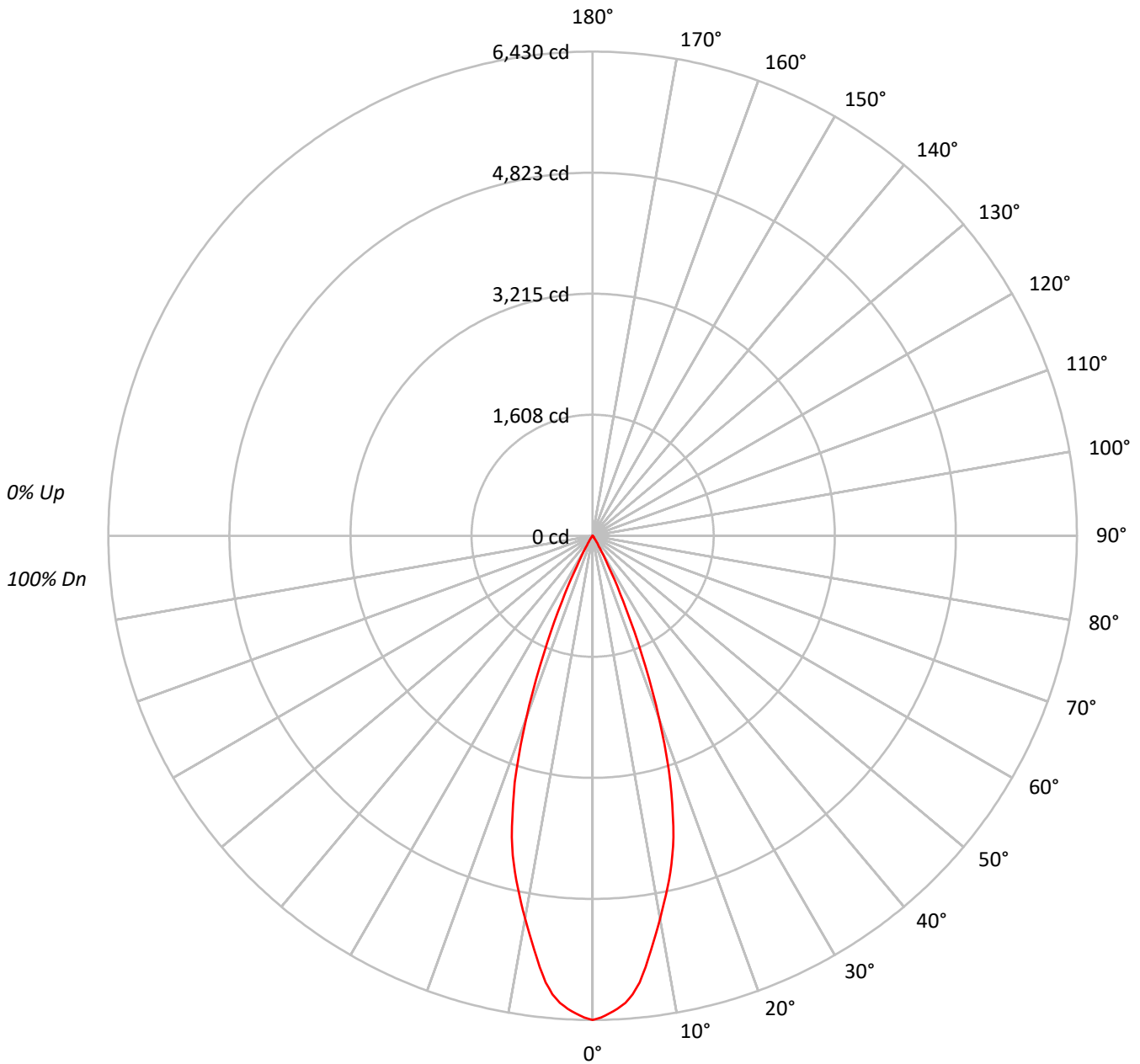
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175532

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175532

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LFC1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	352521
5°	336407
10°	287403
15°	235302
20°	150601
25°	58019
30°	11894
35°	3159
40°	988
45°	318
50°	136
55°	76
60°	88
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175532

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.6	25.2
10°-20°	1106.8	50.6
20°-30°	485.1	22.2
30°-40°	40.5	1.9
40°-50°	4.0	0.2
50°-60°	0.8	0.0
60°-70°	0.3	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°	2142.4	97.9
0°-40°	2183.0	99.8
0°-60°	2187.8	100.0
0°-90°	2188.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6430	
5°	6113	551
15°	4146	1107
25°	959	485
35°	47	41
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175532

CATALOG NUMBER: LDA6A30930D010TE LAR35FL 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	6430.5
1°	6399.6
2°	6349.2
3°	6291.4
4°	6218.2
5°	6113.2
6°	5963.5
7°	5769.9
8°	5557.5
9°	5355.8
10°	5163.0
11°	4969.3
12°	4780.6
13°	4584.5
14°	4376.2
15°	4146.0
17.5°	3438.2
20°	2581.5
22.5°	1685.7
25°	959.2
27.5°	446.7
30°	187.9
32.5°	97.6
35°	47.2
37.5°	25.2
40°	13.8
42.5°	7.3
45°	4.1
47.5°	2.4
50°	1.6
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
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: P175532

CATALOG NUMBER: LDA6A30930D010TE 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)