

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: P175522

Luminaire Tested: **LDA6A15840D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175522
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: LDA6A15840D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.2 lumens
Efficiency: N/A
Efficacy: 63.9 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

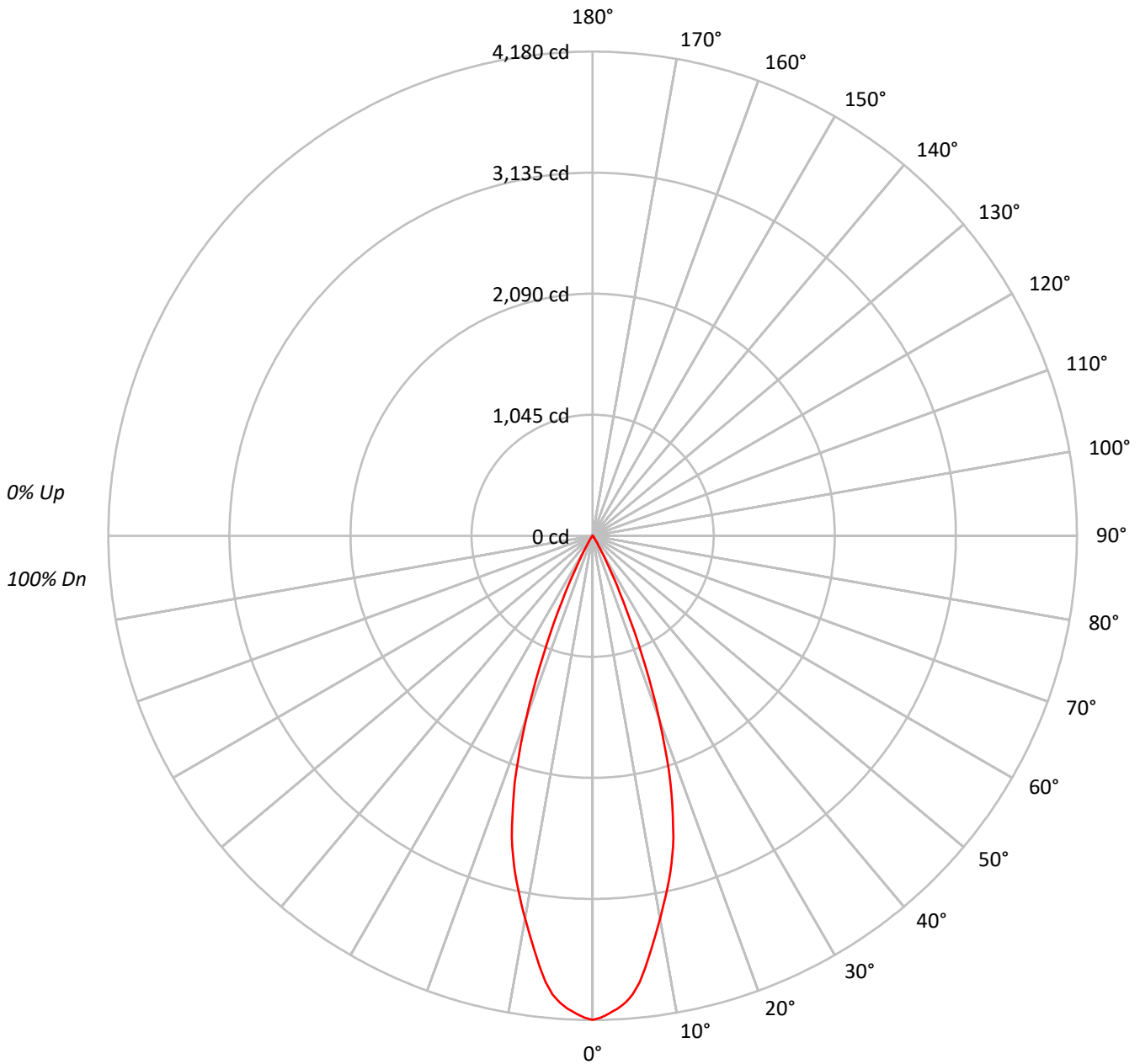
Input Watts (W): 22.27
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175522

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LFC1

Luminous Intensity Polar Plot





TEST NUMBER: P175522

CATALOG NUMBER: LDA6A15840D010TE 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83	83	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	77	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	75	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72	72	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	70	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229121
5°	218649
10°	186798
15°	152935
20°	97880
25°	37708
30°	7729
35°	2055
40°	644
45°	202
50°	94
55°	48
60°	55
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P175522

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LFC1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.9	25.2
10°-20°	719.3	50.6
20°-30°	315.3	22.2
30°-40°	26.4	1.9
40°-50°	2.6	0.2
50°-60°	0.5	0.0
60°-70°	0.2	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°	1392.4	97.9
0°-40°	1418.8	99.8
0°-60°	1422.0	100.0
0°-90°	1422.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4180	
5°	3973	358
15°	2695	719
25°	623	315
35°	31	26
45°	3	3
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P175522

CATALOG NUMBER: LDA6A15840D010TE LAR35FL 6LFC1

CANDELA DISTRIBUTION (FULL):

	0°
0°	4179.5
1°	4159.4
2°	4126.6
3°	4089.1
4°	4041.5
5°	3973.3
6°	3876.0
7°	3750.1
8°	3612.1
9°	3481.0
10°	3355.7
11°	3229.8
12°	3107.1
13°	2979.7
14°	2844.3
15°	2694.7
17.5°	2234.6
20°	1677.8
22.5°	1095.6
25°	623.4
27.5°	290.3
30°	122.1
32.5°	63.5
35°	30.7
37.5°	16.4
40°	9.0
42.5°	4.8
45°	2.6
47.5°	1.6
50°	1.1
52.5°	0.5
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
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: P175522

CATALOG NUMBER: LDA6A15840D010TE 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)