

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: P175530

Luminaire Tested: **LDA6A30840D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175530
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: LDA6A30840D010TE 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: 2758.9 lumens
Efficiency: N/A
Efficacy: 62.0 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

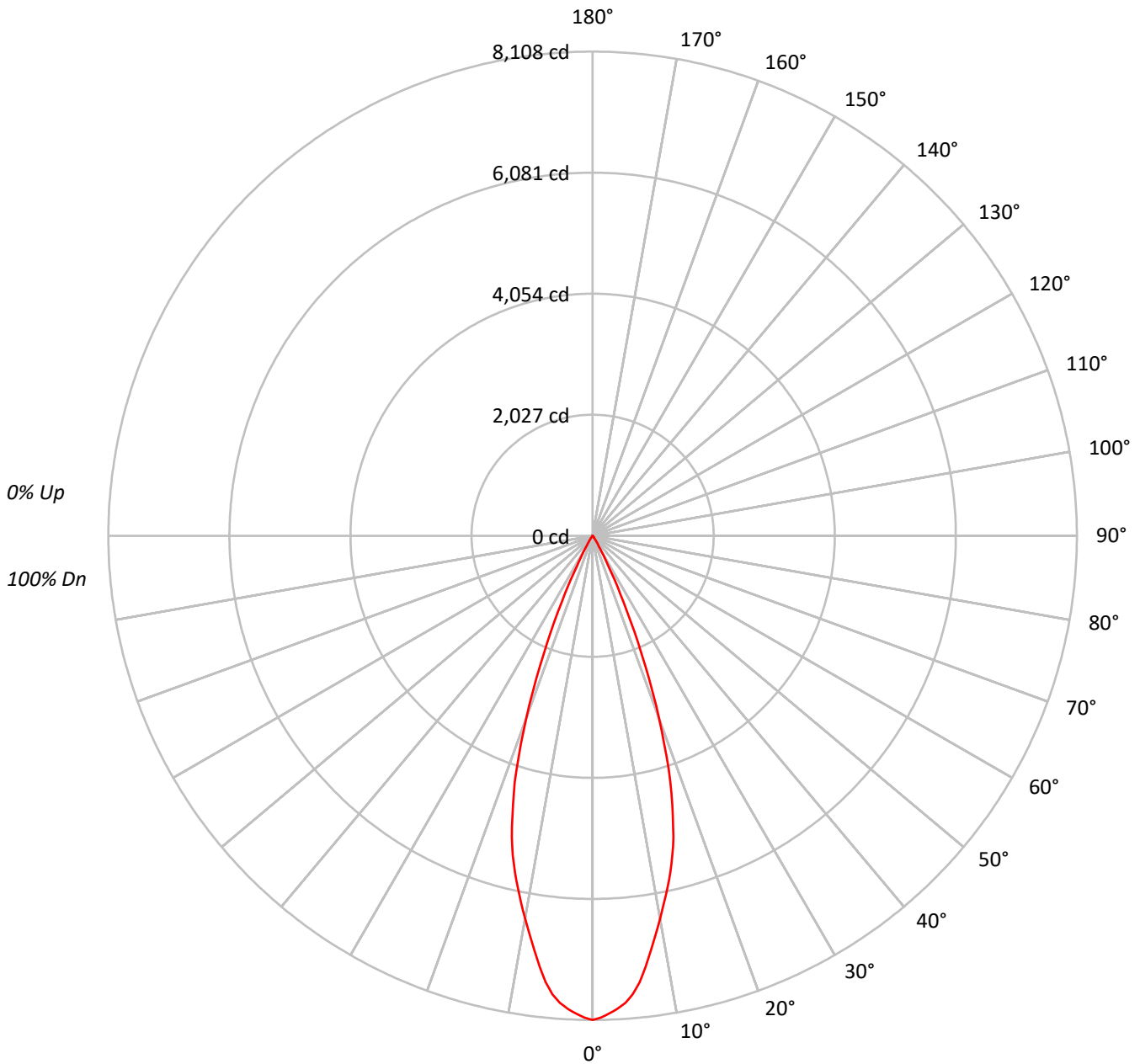
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	444476
5°	424157
10°	362368
15°	296676
20°	189880
25°	73153
30°	15002
35°	3982
40°	1245
45°	395
50°	179
55°	96
60°	110
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.2	25.2
10°-20°	1395.5	50.6
20°-30°	611.6	22.2
30°-40°	51.1	1.9
40°-50°	5.1	0.2
50°-60°	1.0	0.0
60°-70°	0.4	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°	2701.3	97.9
0°-40°	2752.4	99.8
0°-60°	2758.5	100.0
0°-90°	2758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2758.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8108	
5°	7708	694
15°	5227	1395
25°	1209	612
35°	60	51
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8107.9
1°	8068.9
2°	8005.3
3°	7932.5
4°	7840.1
5°	7707.8
6°	7519.1
7°	7274.9
8°	7007.2
9°	6752.8
10°	6509.7
11°	6265.6
12°	6027.6
13°	5780.4
14°	5517.7
15°	5227.4
17.5°	4335.0
20°	3254.8
22.5°	2125.4
25°	1209.4
27.5°	563.2
30°	237.0
32.5°	123.1
35°	59.5
37.5°	31.8
40°	17.4
42.5°	9.2
45°	5.1
47.5°	3.1
50°	2.1
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)