

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: P170223

Luminaire Tested: **LDA6A30835D010TE LAR30NF 6LA1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25653)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A30835D010TE LAR30NF 6LA1
Description: PORTFOLIO 6" Adjustable Reflector, Self-flange Trim Ring, 30° Narrow Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3127.0 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

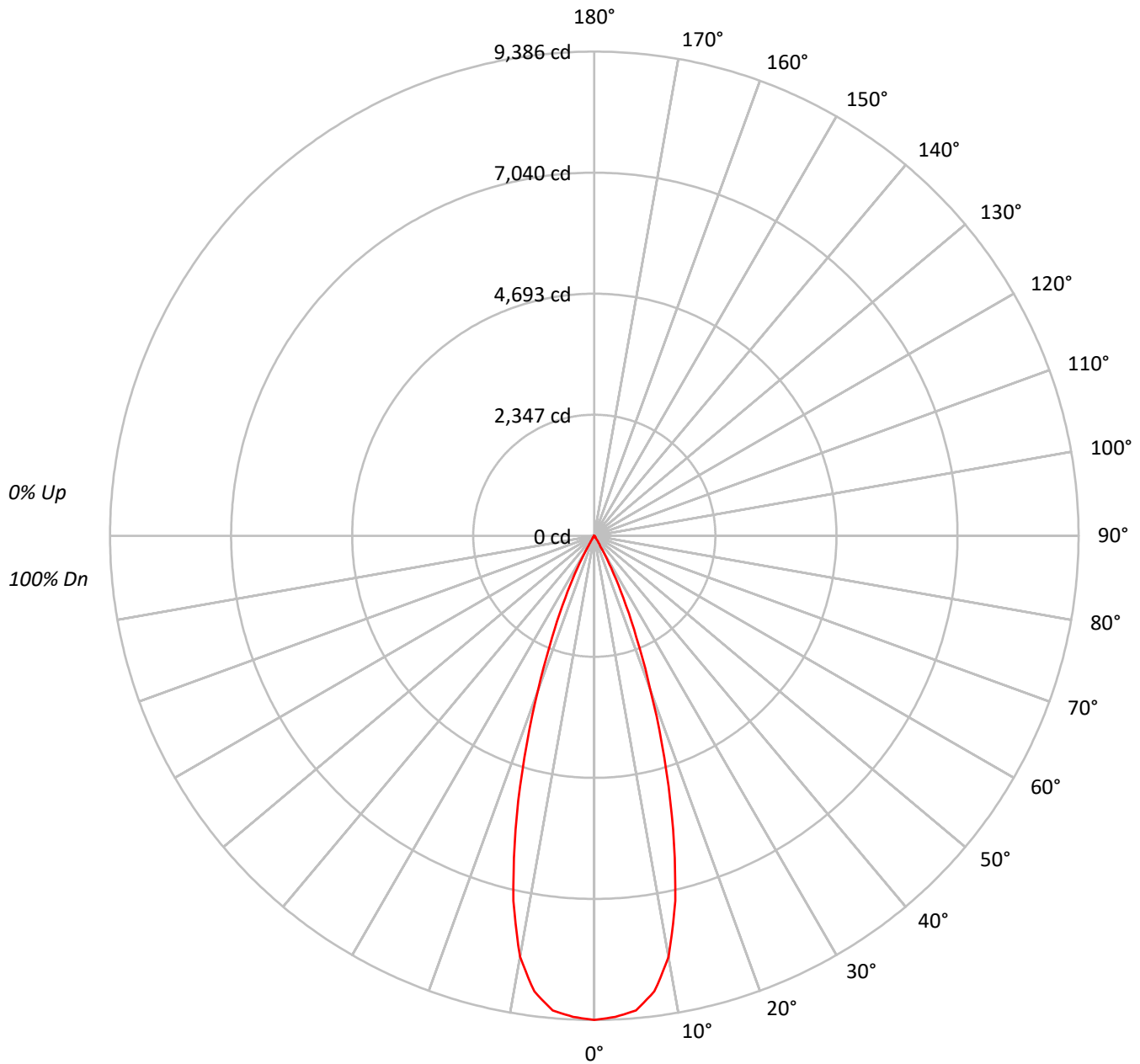
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	95	90	87	99	94	90	87	92	89	86		91	88	85		89
6	98	91	87	84	96	90	86	83	89	86	83		88	85	82		87
7	95	88	84	81	93	87	83	80	86	83	80		85	82	80		84
8	92	85	81	78	91	84	80	78	84	80	77		83	79	77		82
9	89	82	78	75	88	82	78	75	81	77	75		80	77	75		80
10	87	80	75	73	86	79	75	73	79	75	72		78	75	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	514553
5°	508413
10°	461375
15°	334752
20°	185294
25°	80146
30°	15167
35°	3667
40°	1231
45°	364
50°	136
55°	153
60°	0
65°	0
70°	0
75°	0
80°	0
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.9	27.2
10°-20°	1581.1	50.6
20°-30°	639.5	20.5
30°-40°	47.6	1.5
40°-50°	4.7	0.2
50°-60°	0.5	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	1.7	0.1
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°	3072.5	98.3
0°-40°	3120.0	99.8
0°-60°	3125.3	99.9
0°-90°	3127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9386	
5°	9239	852
15°	5898	1581
25°	1325	639
35°	55	48
45°	5	5
55°	2	1
65°	0	0
75°	0	0
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9386.2
2.5°	9334.5
5°	9238.9
7.5°	8910.0
10°	8288.3
12.5°	7246.8
15°	5898.3
17.5°	4504.4
20°	3176.2
22.5°	2128.5
25°	1325.0
27.5°	704.8
30°	239.6
32.5°	103.4
35°	54.8
37.5°	31.3
40°	17.2
42.5°	9.4
45°	4.7
47.5°	1.6
50°	1.6
52.5°	0.0
55°	1.6
57.5°	0.0
60°	0.0
62.5°	0.0
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°	1.6
85°	1.6
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)