

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: P170287

Luminaire Tested: **LDA6A30835D010TE LAR40FL 6LA1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25654)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A30835D010TE LAR40FL 6LA1
Description: PORTFOLIO 6" Adjustable Reflector, Self-flange Trim Ring, 40° 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: 3546.6 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.59
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

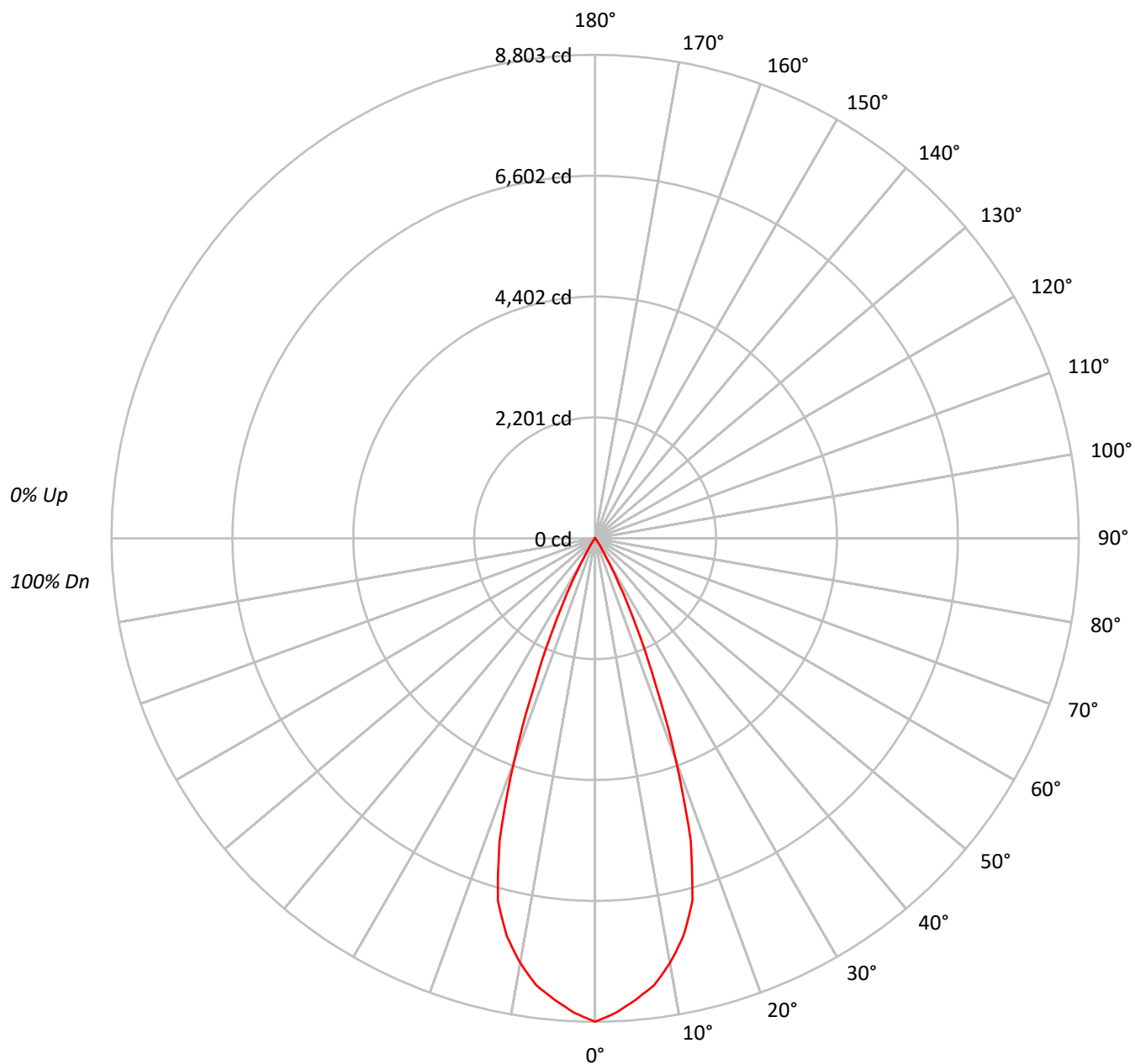
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85		
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	87	84	81	86	83	81	85	82	80	79		
7	93	86	82	78	92	86	81	78	84	81	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73		
9	87	80	76	73	86	80	75	72	79	75	72	78	74	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	75	72	69	75	72	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	482566
5°	464246
10°	437010
15°	387868
20°	250418
25°	105998
30°	25972
35°	6184
40°	1796
45°	605
50°	136
55°	153
60°	175
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.6	22.2
10°-20°	1800.8	50.8
20°-30°	865.8	24.4
30°-40°	82.5	2.3
40°-50°	7.2	0.2
50°-60°	1.1	0.0
60°-70°	0.2	0.0
70°-80°	0.0	0.0
80°-90°	0.9	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°	3455.2	97.4
0°-40°	3537.7	99.7
0°-60°	3546.0	100.0
0°-90°	3547.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3546.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8803	
5°	8436	789
15°	6834	1801
25°	1752	866
35°	92	83
45°	8	7
55°	2	1
65°	0	0
75°	0	0
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8802.7
2.5°	8649.3
5°	8436.3
7.5°	8209.2
10°	7850.6
12.5°	7421.5
15°	6834.2
17.5°	5785.0
20°	4292.5
22.5°	2862.7
25°	1752.4
27.5°	966.2
30°	410.3
32.5°	195.8
35°	92.4
37.5°	47.0
40°	25.1
42.5°	14.1
45°	7.8
47.5°	3.1
50°	1.6
52.5°	1.6
55°	1.6
57.5°	0.0
60°	1.6
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°	0.0
85°	0.0
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)