

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: P175413

Luminaire Tested: **LDA6A20935D010TE LARL20NF 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A20935D010TE LARL20NF 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 20° Narrow Flood
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1410.8 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

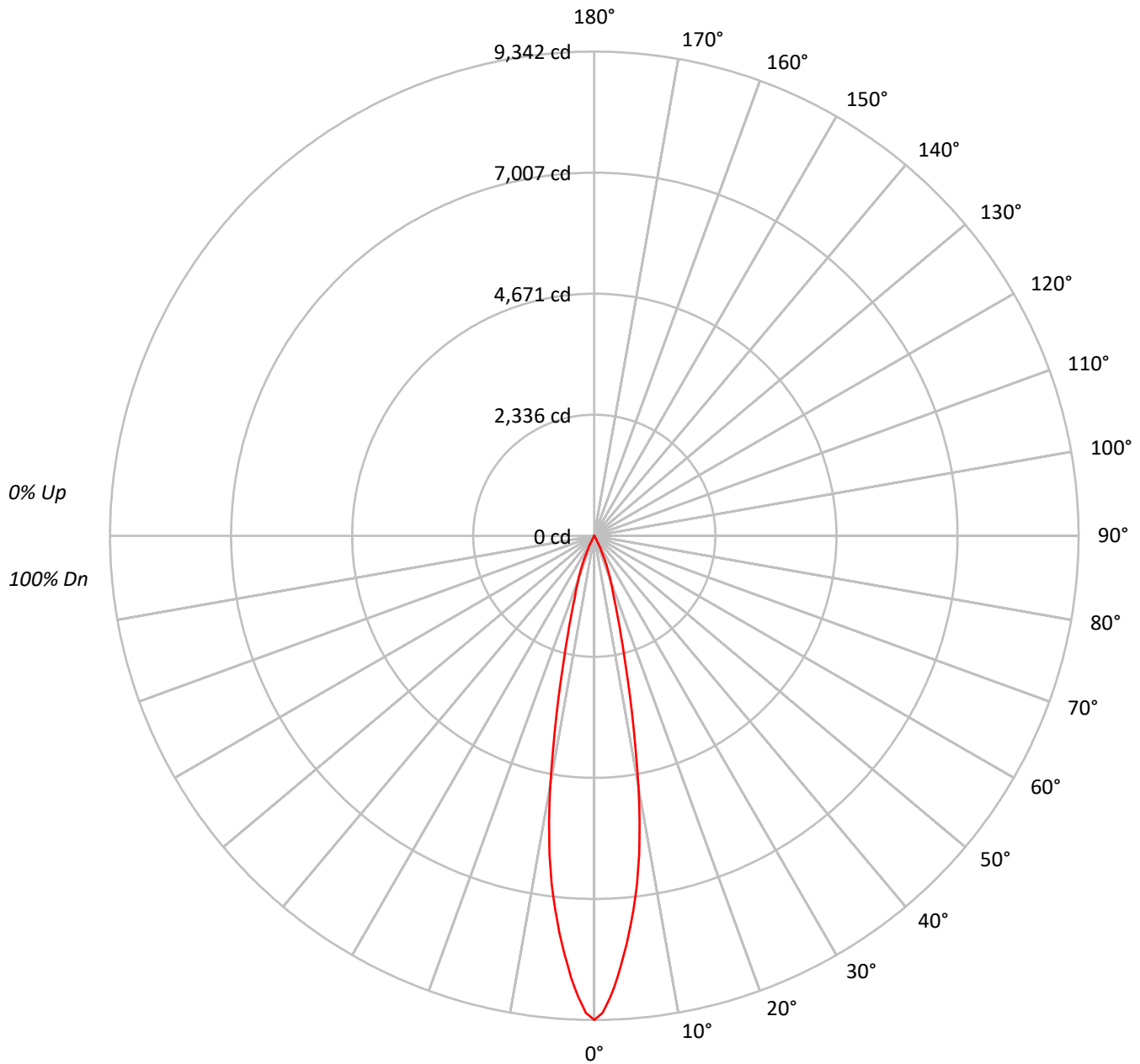
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95		
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93		
4	106	102	98	95	105	101	97	95	99	96	94	97	95	93	95	93	92	91		
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89		
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	89	88	87		
7	99	93	90	87	98	93	89	87	92	89	87	91	88	86	90	87	86	85		
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83		
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	86	84	82	81		
10	93	87	84	81	92	87	83	81	86	83	81	85	83	81	85	82	81	80		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	512141
5°	423436
10°	272306
15°	111005
20°	52989
25°	19852
30°	1424
35°	281
40°	115
45°	39
50°	43
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.9	46.0
10°-20°	594.4	42.1
20°-30°	162.9	11.5
30°-40°	4.0	0.3
40°-50°	0.6	0.0
50°-60°	0.1	0.0
60°-70°	0.0	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°	1406.2	99.7
0°-40°	1410.2	100.0
0°-60°	1410.8	100.0
0°-90°	1410.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1410.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9342	
5°	7695	649
15°	1956	594
25°	328	163
35°	4	4
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9342.2
1°	9206.1
2°	8904.0
3°	8534.9
4°	8120.8
5°	7694.7
6°	7245.5
7°	6759.7
8°	6204.7
9°	5581.2
10°	4891.8
11°	4163.0
12°	3484.0
13°	2871.0
14°	2373.6
15°	1955.9
17.5°	1253.3
20°	908.3
22.5°	614.1
25°	328.2
27.5°	109.9
30°	22.5
32.5°	7.9
35°	4.2
37.5°	2.6
40°	1.6
42.5°	1.0
45°	0.5
47.5°	0.5
50°	0.5
52.5°	0.0
55°	0.0
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°	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)