

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: P175533

Luminaire Tested: **LDA6A30935D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175533
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: LDA6A30935D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° 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: 2205.0 lumens
Efficiency: N/A
Efficacy: 49.6 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

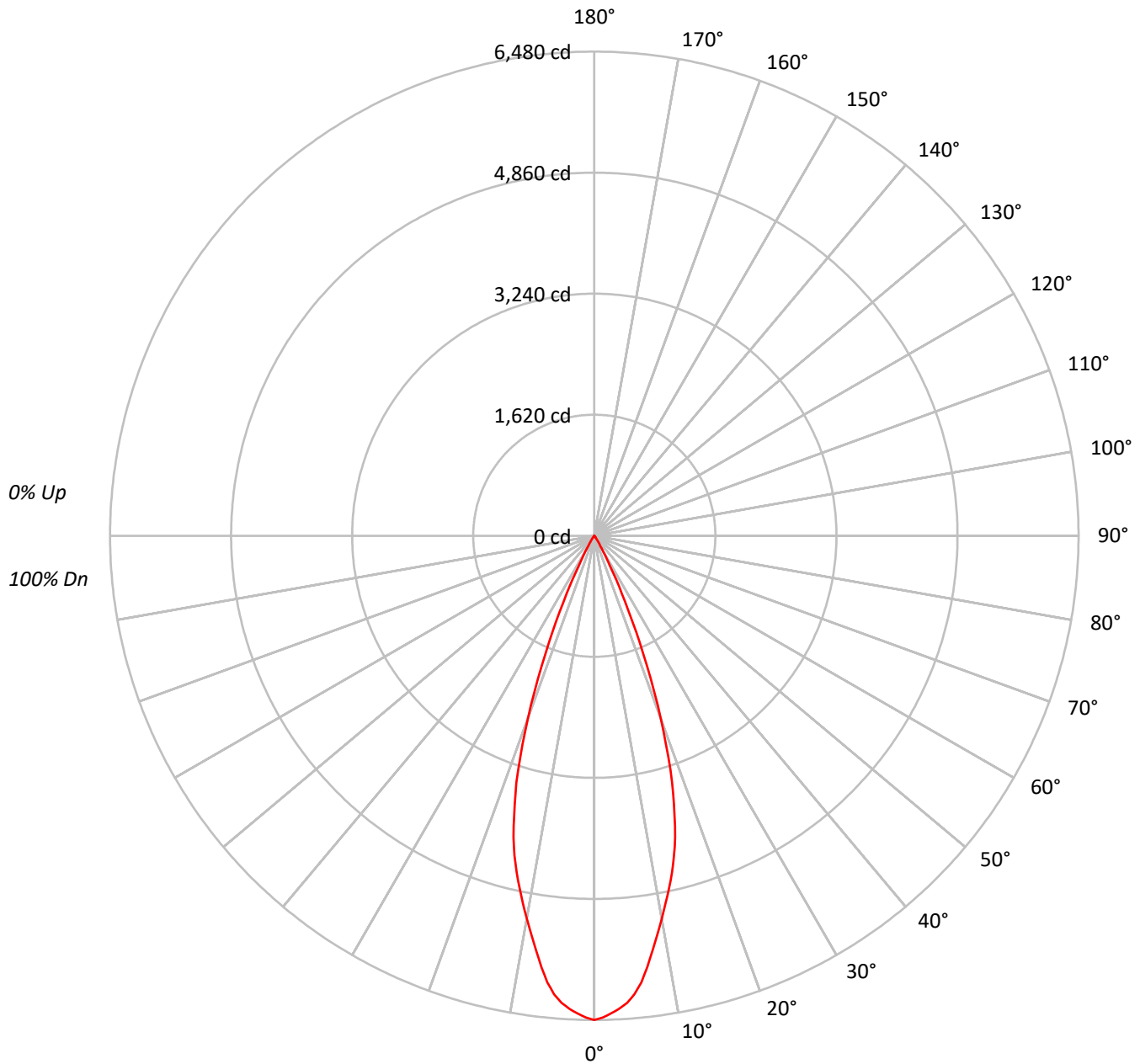
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P175533

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355246
5°	339004
10°	289618
15°	237118
20°	151762
25°	58467
30°	11989
35°	3186
40°	995
45°	318
50°	136
55°	76
60°	88
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.8	25.2
10°-20°	1115.3	50.6
20°-30°	488.8	22.2
30°-40°	40.9	1.9
40°-50°	4.1	0.2
50°-60°	0.8	0.0
60°-70°	0.3	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°	2159.0	97.9
0°-40°	2199.8	99.8
0°-60°	2204.7	100.0
0°-90°	2205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6480	
5°	6160	555
15°	4178	1115
25°	967	489
35°	48	41
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6480.2
1°	6449.0
2°	6398.2
3°	6340.0
4°	6266.2
5°	6160.4
6°	6009.6
7°	5814.5
8°	5600.5
9°	5397.2
10°	5202.8
11°	5007.7
12°	4817.5
13°	4619.9
14°	4410.0
15°	4178.0
17.5°	3464.7
20°	2601.4
22.5°	1698.8
25°	966.6
27.5°	450.1
30°	189.4
32.5°	98.4
35°	47.6
37.5°	25.4
40°	13.9
42.5°	7.4
45°	4.1
47.5°	2.5
50°	1.6
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
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: P175533

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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)