

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: P175512

Luminaire Tested: **LDA6A10830D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175512
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: LDA6A10830D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 888.7 lumens
Efficiency: N/A
Efficacy: 64.2 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

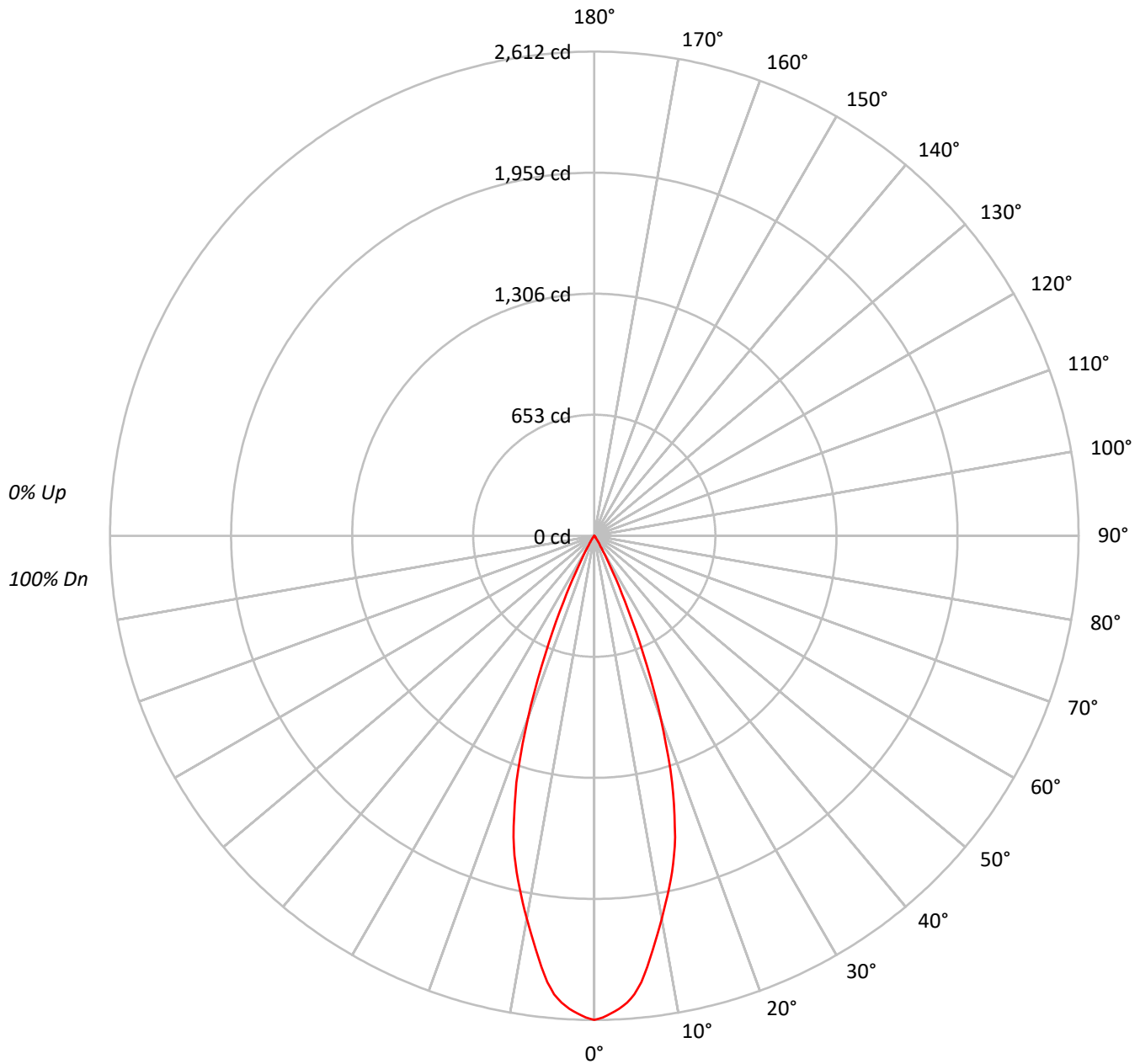
Input Watts (W): 13.84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	143179
5°	136638
10°	116731
15°	95574
20°	61168
25°	23566
30°	4830
35°	1285
40°	401
45°	132
50°	60
55°	29
60°	33
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.6	25.2
10°-20°	449.5	50.6
20°-30°	197.0	22.2
30°-40°	16.5	1.9
40°-50°	1.7	0.2
50°-60°	0.3	0.0
60°-70°	0.1	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°	870.2	97.9
0°-40°	886.7	99.8
0°-60°	888.6	100.0
0°-90°	888.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2612	
5°	2483	224
15°	1684	450
25°	390	197
35°	19	16
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2611.8
1°	2599.3
2°	2578.8
3°	2555.3
4°	2525.6
5°	2483.0
6°	2422.2
7°	2343.5
8°	2257.3
9°	2175.3
10°	2097.0
11°	2018.4
12°	1941.7
13°	1862.1
14°	1777.5
15°	1684.0
17.5°	1396.5
20°	1048.5
22.5°	684.7
25°	389.6
27.5°	181.4
30°	76.3
32.5°	39.7
35°	19.2
37.5°	10.2
40°	5.6
42.5°	3.0
45°	1.7
47.5°	1.0
50°	0.7
52.5°	0.3
55°	0.3
57.5°	0.3
60°	0.3
62.5°	0.3
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)