

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: P1212778

Luminaire Tested: **LDA4A20950D010TE LAR35FL 4LFC1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1212778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26143)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A20950D010TE LAR35FL 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

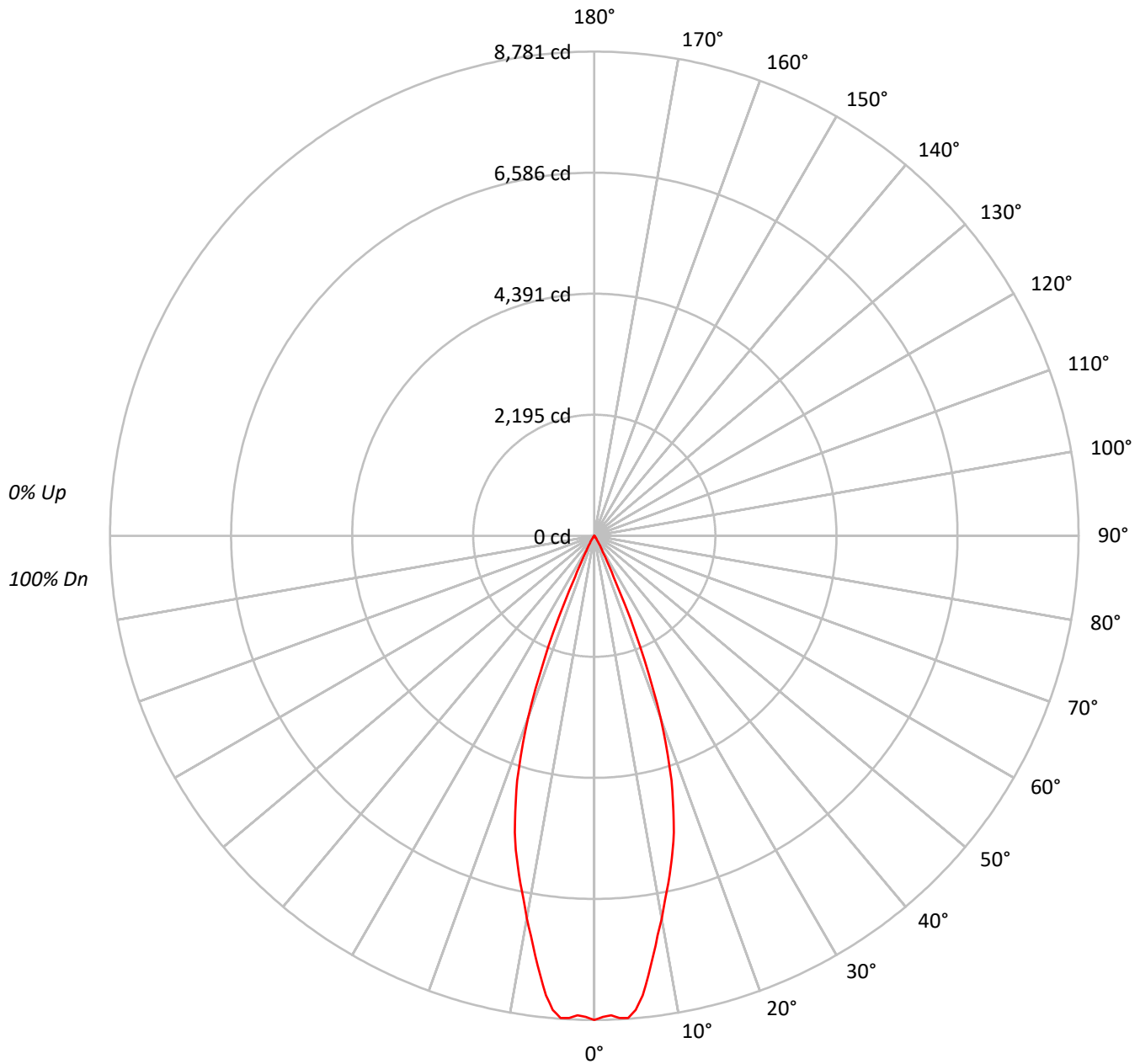
Lumens per Lamp: N/A
Luminaire Lumens: 2853.6 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		96
2	111	107	104	102	109	106	103	101	103	100	99		100	98	96		93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		90
4	104	99	94	91	102	97	94	91	95	92	90		94	91	89		87
5	101	95	91	87	99	94	90	87	92	89	86		91	88	86		84
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		81
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		78
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		76
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		74
10	87	80	76	73	86	79	76	73	79	75	73		78	75	72		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1083123
5°	1068539
10°	882212
15°	711271
20°	460295
25°	112375
30°	26990
35°	6776
40°	2125
45°	471
50°	269
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°	764.5	26.8
10°-20°	1493.9	52.4
20°-30°	552.8	19.4
30°-40°	38.9	1.4
40°-50°	3.4	0.1
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°	2811.2	98.5
0°-40°	2850.1	99.9
0°-60°	2853.6	100.0
0°-90°	2853.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8781	
5°	8630	764
15°	5570	1494
25°	826	553
35°	45	39
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8781.2
1°	8729.4
2°	8701.8
3°	8756.0
4°	8769.2
5°	8630.0
6°	8382.3
7°	8036.4
8°	7686.4
9°	7340.5
10°	7043.7
11°	6724.3
12°	6442.2
13°	6161.2
14°	5876.2
15°	5570.0
17.5°	4653.0
20°	3506.7
22.5°	2169.4
25°	825.7
27.5°	339.2
30°	189.5
32.5°	90.1
35°	45.0
37.5°	23.8
40°	13.2
42.5°	6.7
45°	2.7
47.5°	1.4
50°	1.4
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°

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85°	0.0
87.5°	0.0

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(END OF REPORT)