

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: P1191489

Luminaire Tested: **LDA4A10940D010TE 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: P1191489
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: LDA4A10940D010TE LAR35FL 4LFC1
Description: PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

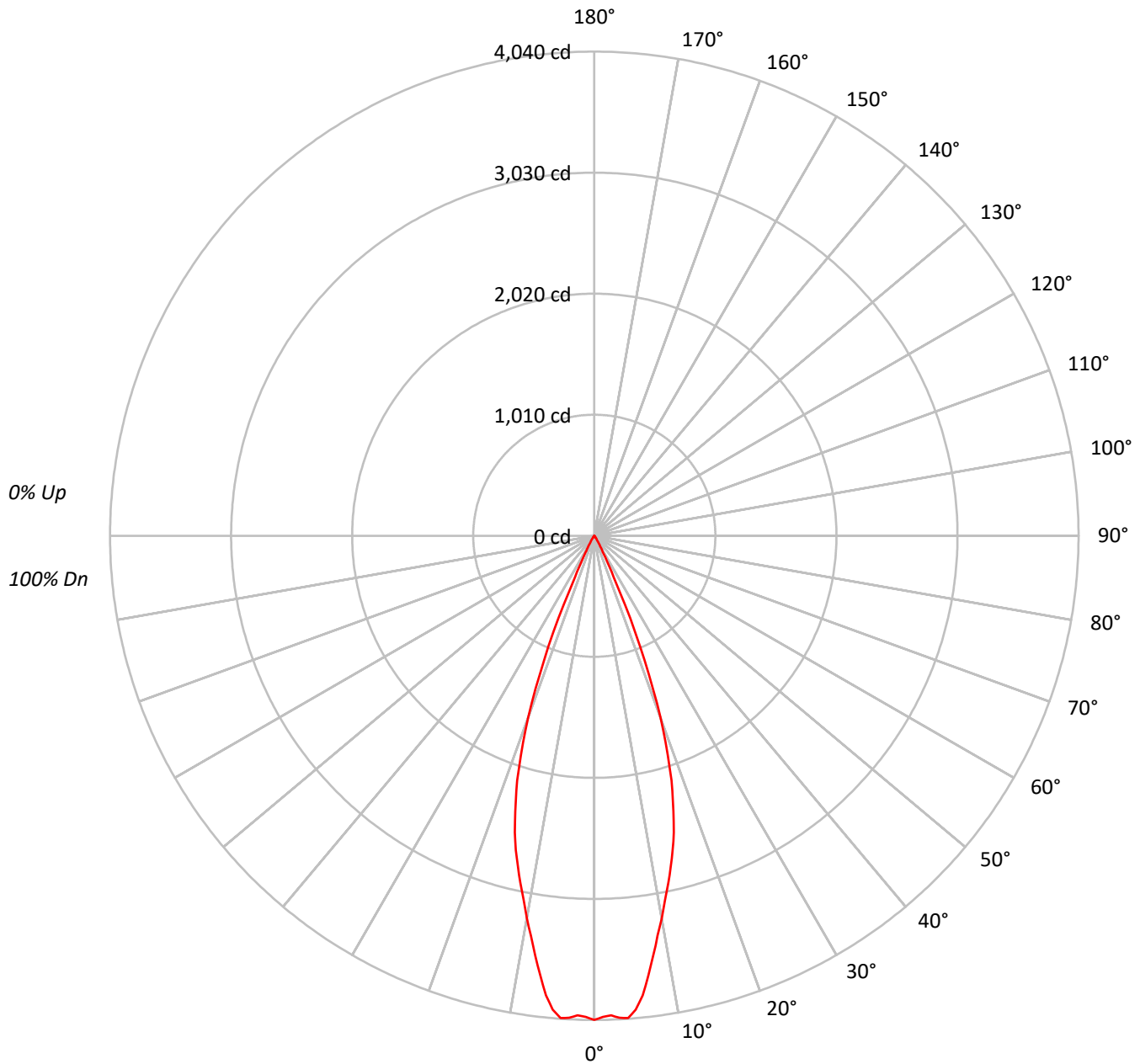
Lumens per Lamp: N/A
Luminaire Lumens: 1312.8 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	113	111	109	107	107	105	104	103	102	101	100	99	98	96		
2	111	107	104	102	109	106	103	101	103	100	99	100	98	96	97	96	94	93		
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	90		
4	104	99	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87		
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84		
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81		
7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	78		
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76		
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74		
10	87	80	76	73	86	79	76	73	79	75	73	78	75	72	78	75	72	71		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	498267
5°	491577
10°	405855
15°	327210
20°	211751
25°	51690
30°	12405
35°	3132
40°	982
45°	227
50°	115
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°	351.7	26.8
10°-20°	687.2	52.4
20°-30°	254.3	19.4
30°-40°	17.9	1.4
40°-50°	1.6	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°	1293.2	98.5
0°-40°	1311.1	99.9
0°-60°	1312.8	100.0
0°-90°	1312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4040	
5°	3970	352
15°	2562	687
25°	380	254
35°	21	18
45°	1	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4039.6
1°	4015.9
2°	4003.0
3°	4028.1
4°	4034.1
5°	3970.2
6°	3856.2
7°	3697.1
8°	3536.1
9°	3377.0
10°	3240.4
11°	3093.4
12°	2963.6
13°	2834.3
14°	2703.3
15°	2562.4
17.5°	2140.5
20°	1613.2
22.5°	998.0
25°	379.8
27.5°	156.0
30°	87.1
32.5°	41.4
35°	20.8
37.5°	11.0
40°	6.1
42.5°	3.1
45°	1.3
47.5°	0.6
50°	0.6
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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Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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85°	0.0
87.5°	0.0

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(END OF REPORT)