

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: P1191550

Luminaire Tested: **LDA4A15935D010TE LAR15SP 4LPIN**

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: P1191550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A15935D010TE LAR15SP 4LPIN
Description: PORTFOLIO 4" White Pinhole with Black Oculus, Self-flanged, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

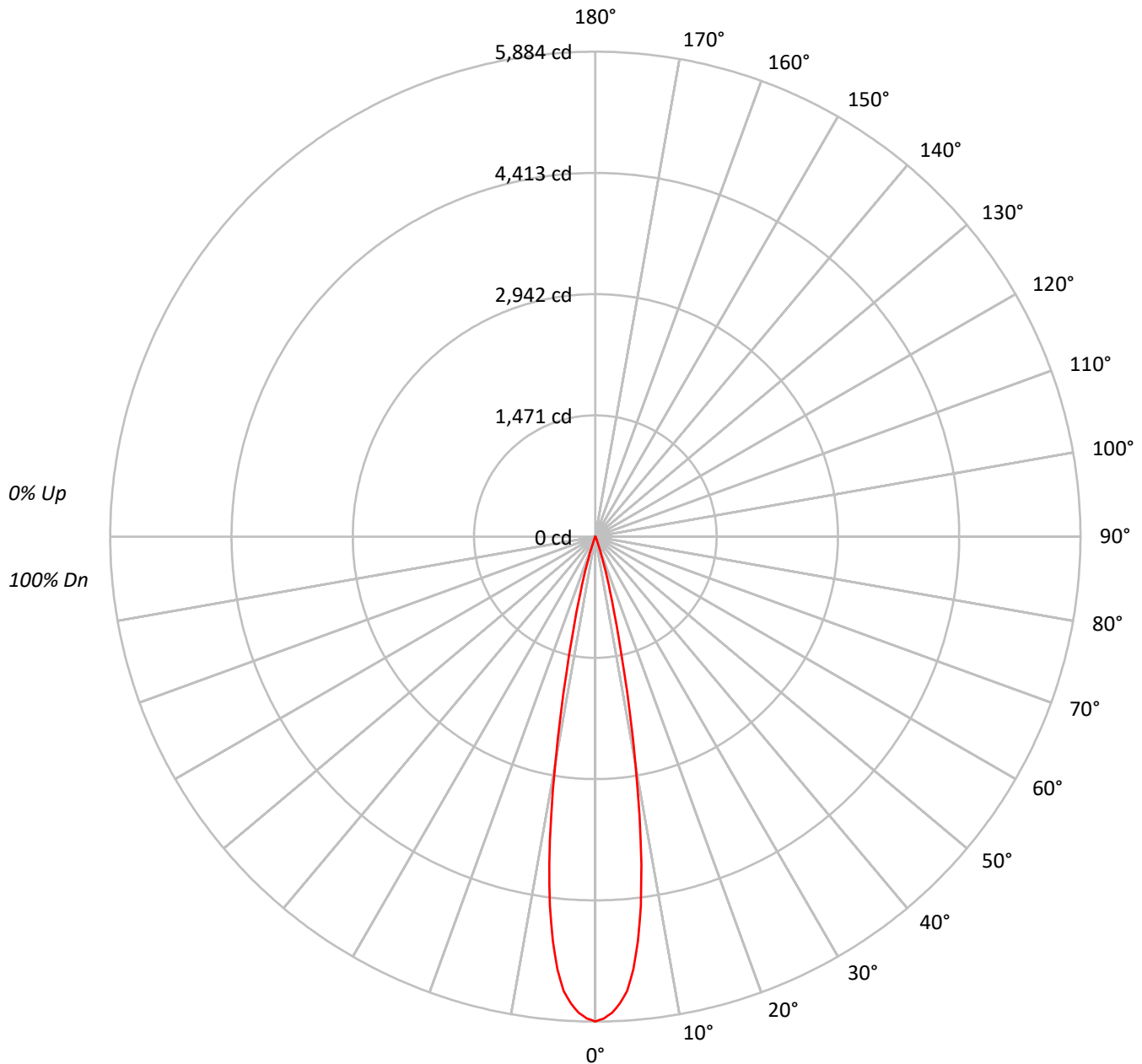
Lumens per Lamp: N/A
Luminaire Lumens: 665.9 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.31
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	116	114	113	111	114	112	111	109		108	107	106			105	104	103			98
2	113	110	108	106	111	109	107	105		106	104	103			103	102	100			97
3	111	107	104	102	109	106	103	101		103	101	100			101	100	98			96
4	109	104	101	99	107	103	101	99		102	99	97			100	98	96			94
5	107	102	99	97	105	101	98	96		100	97	96			98	96	95			93
6	105	100	97	95	104	99	97	94		98	96	94			97	95	93			92
7	103	98	95	93	102	98	95	93		97	94	92			96	94	92			91
8	101	97	94	92	101	96	93	91		95	93	91			95	92	91			90
9	100	95	92	90	99	95	92	90		94	92	90			93	91	90			89
10	98	94	91	89	98	93	91	89		93	90	89			92	90	89			88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	725729
5°	652663
10°	350946
15°	88353
20°	11853
25°	2341
30°	641
35°	151
40°	161
45°	0
50°	0
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°	423.6	63.6
10°-20°	229.6	34.5
20°-30°	11.7	1.8
30°-40°	1.0	0.1
40°-50°	0.1	0.0
50°-60°	0.0	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°	664.8	99.8
0°-40°	665.8	100.0
0°-60°	665.9	100.0
0°-90°	665.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5884	
5°	5271	424
15°	692	230
25°	17	12
35°	1	1
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5883.7
1°	5847.6
2°	5780.9
3°	5673.6
4°	5525.6
5°	5271.2
6°	4933.8
7°	4516.9
8°	4014.4
9°	3423.6
10°	2802.0
11°	2203.0
12°	1677.0
13°	1260.3
14°	948.1
15°	691.9
17.5°	254.5
20°	90.3
22.5°	37.0
25°	17.2
27.5°	8.2
30°	4.5
32.5°	1.8
35°	1.0
37.5°	1.0
40°	1.0
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
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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— 0°-180°

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85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)