

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: P1212781

Luminaire Tested: **LDA4A25950D010TE LAR15SP 4LA1**

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: P1212781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25628)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A25950D010TE LAR15SP 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 15° Spot
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

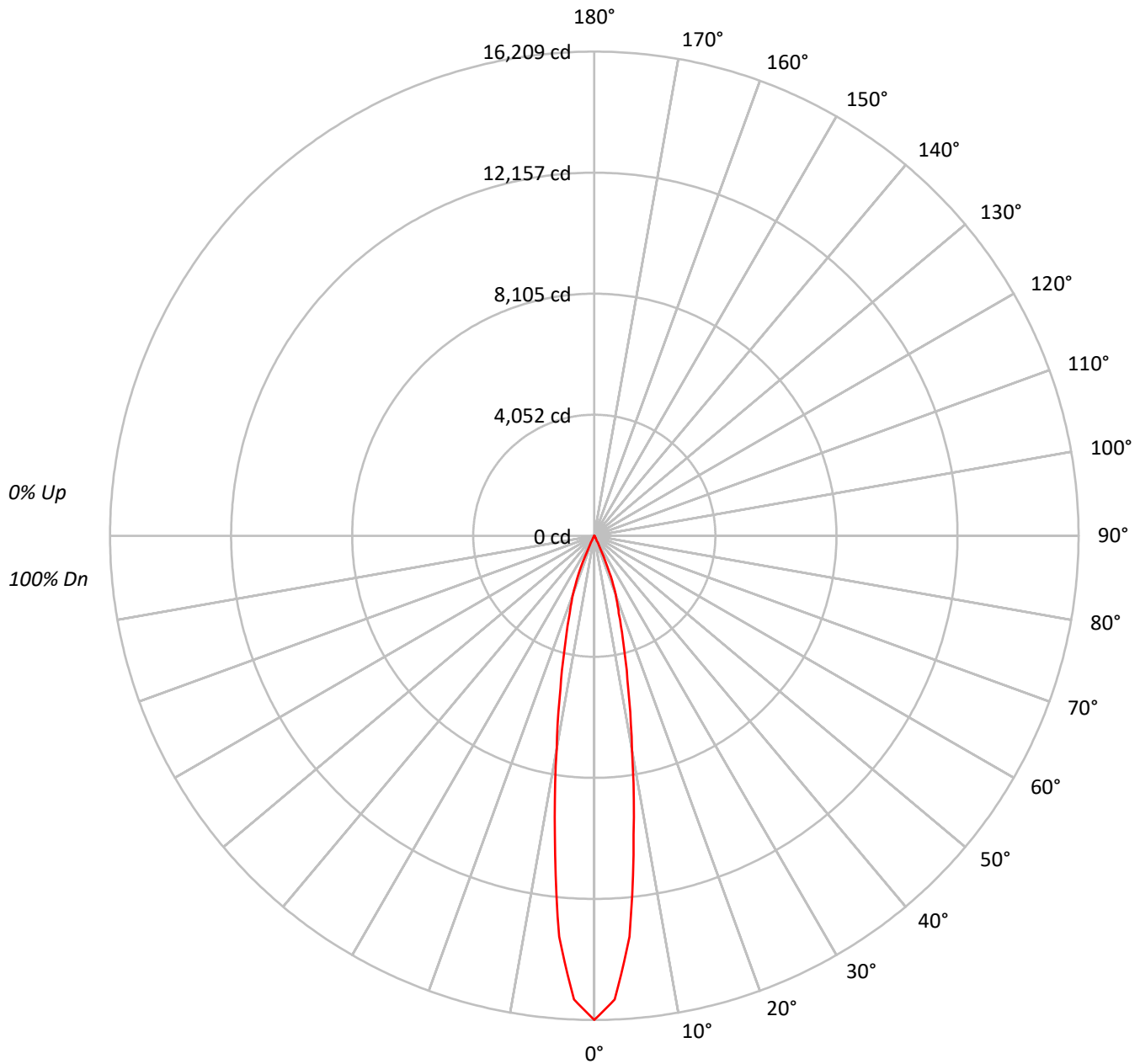
Lumens per Lamp: N/A
Luminaire Lumens: 2490.1 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.35
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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	112	110	113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104	110	107	105	102		104	102	100		101	100	98		98	97	96
3	109	105	101	99	107	103	100	98		101	98	96		99	97	95		97	95	94
4	106	101	97	95	104	100	97	94		98	95	93		96	94	92		95	93	91
5	103	98	94	91	102	97	94	91		95	92	90		94	91	89		93	90	89
6	101	95	91	89	99	94	91	88		93	90	88		92	89	87		91	88	87
7	98	92	89	86	97	92	88	86		91	88	85		90	87	85		89	86	85
8	96	90	86	84	95	90	86	84		89	86	83		88	85	83		87	85	83
9	94	88	84	82	93	87	84	82		87	84	81		86	83	81		85	83	81
10	92	86	82	80	91	85	82	80		85	82	80		84	81	79		84	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1999260
5°	1667899
10°	906799
15°	481685
20°	274389
25°	53717
30°	11109
35°	3283
40°	1256
45°	541
50°	307
55°	344
60°	395
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1068.0	42.9
10°-20°	1088.0	43.7
20°-30°	312.1	12.5
30°-40°	17.7	0.7
40°-50°	2.7	0.1
50°-60°	1.4	0.1
60°-70°	0.2	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°	2468.1	99.1
0°-40°	2485.8	99.8
0°-60°	2489.9	100.0
0°-90°	2490.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2490.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16209	
5°	13471	###
15°	3772	1088
25°	395	312
35°	22	18
45°	3	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16208.6
2.5°	15537.8
5°	13470.7
7.5°	10091.7
10°	7240.0
12.5°	5221.4
15°	3772.1
17.5°	2730.0
20°	2090.4
22.5°	1318.2
25°	394.7
27.5°	151.3
30°	78.0
32.5°	40.6
35°	21.8
37.5°	12.5
40°	7.8
42.5°	4.7
45°	3.1
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
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
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)