

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: P279722

Luminaire Tested: **LDA2B158050D010 EU2B15FL408050 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158050D010 EU2B15FL408050 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1610.3 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

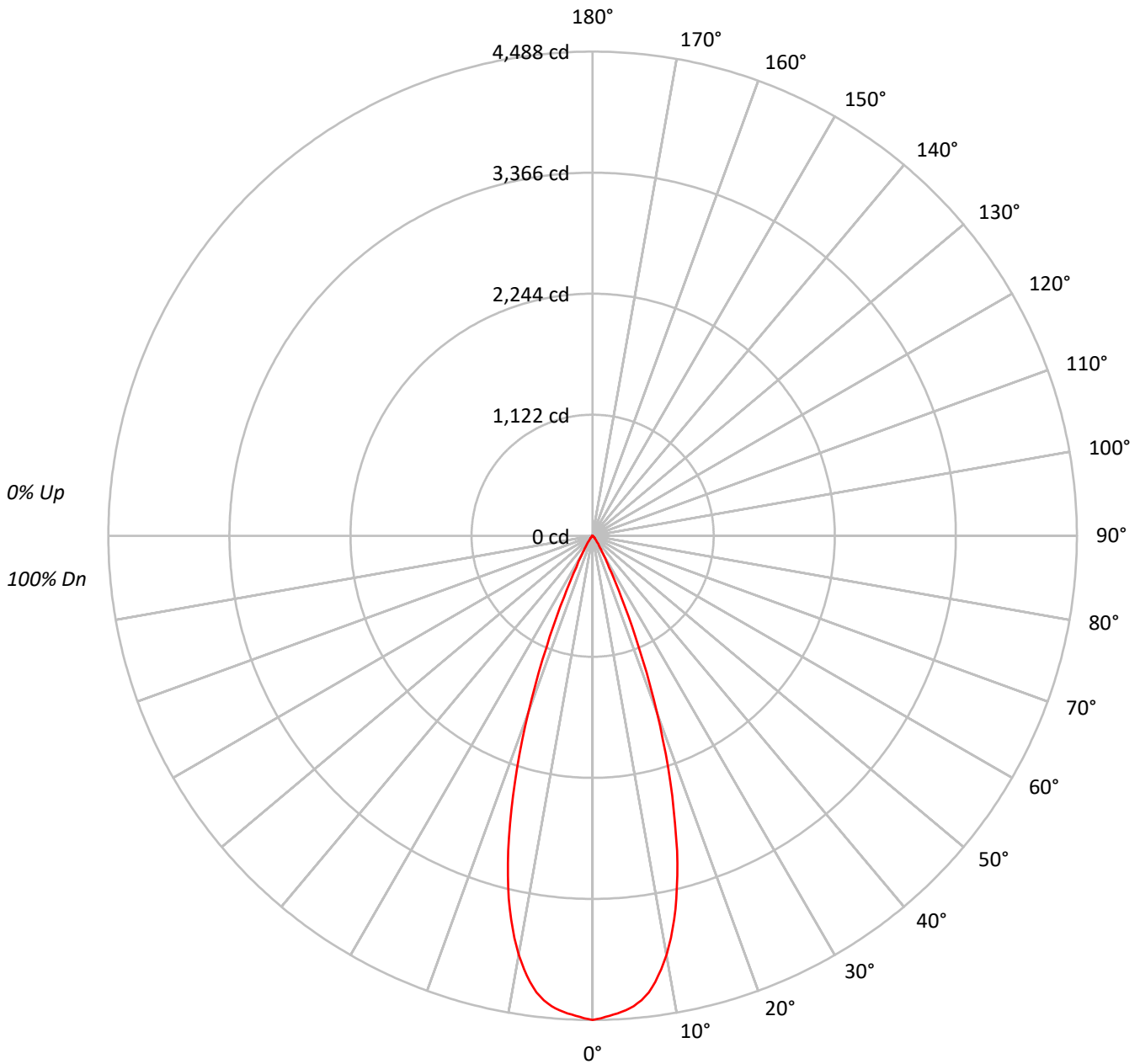
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100			100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			89
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85			85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82			82
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79			79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77			77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72			72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69			69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2214306
5°	2167446
10°	1975486
15°	1543228
20°	913700
25°	339683
30°	106132
35°	47219
40°	21897
45°	10326
50°	5680
55°	3183
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.6	25.1
10°-20°	804.5	50.0
20°-30°	329.5	20.5
30°-40°	54.5	3.4
40°-50°	12.9	0.8
50°-60°	3.4	0.2
60°-70°	0.8	0.0
70°-80°	0.1	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°	1538.6	95.5
0°-40°	1593.1	98.9
0°-60°	1609.4	99.9
0°-90°	1610.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1610.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4488	
5°	4376	405
15°	3021	805
25°	624	329
35°	78	55
45°	15	13
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4488.2
1°	4472.6
2°	4451.9
3°	4433.5
4°	4409.1
5°	4376.5
6°	4328.5
7°	4265.6
8°	4176.2
9°	4067.5
10°	3943.3
11°	3799.2
12°	3636.5
13°	3451.0
14°	3244.7
15°	3021.4
17.5°	2396.0
20°	1740.3
22.5°	1114.1
25°	624.0
27.5°	329.0
30°	186.3
32.5°	118.3
35°	78.4
37.5°	51.7
40°	34.0
42.5°	22.2
45°	14.8
47.5°	10.3
50°	7.4
52.5°	5.2
55°	3.7
57.5°	2.2
60°	1.5
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)