

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: P279741

Luminaire Tested: **LDA2B159024D010 EU2B15FL409024 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279741
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: LDA2B159024D010 EU2B15FL409024 2LBALD1B
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1104.0 lumens
Efficiency: N/A
Efficacy: 78.3 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

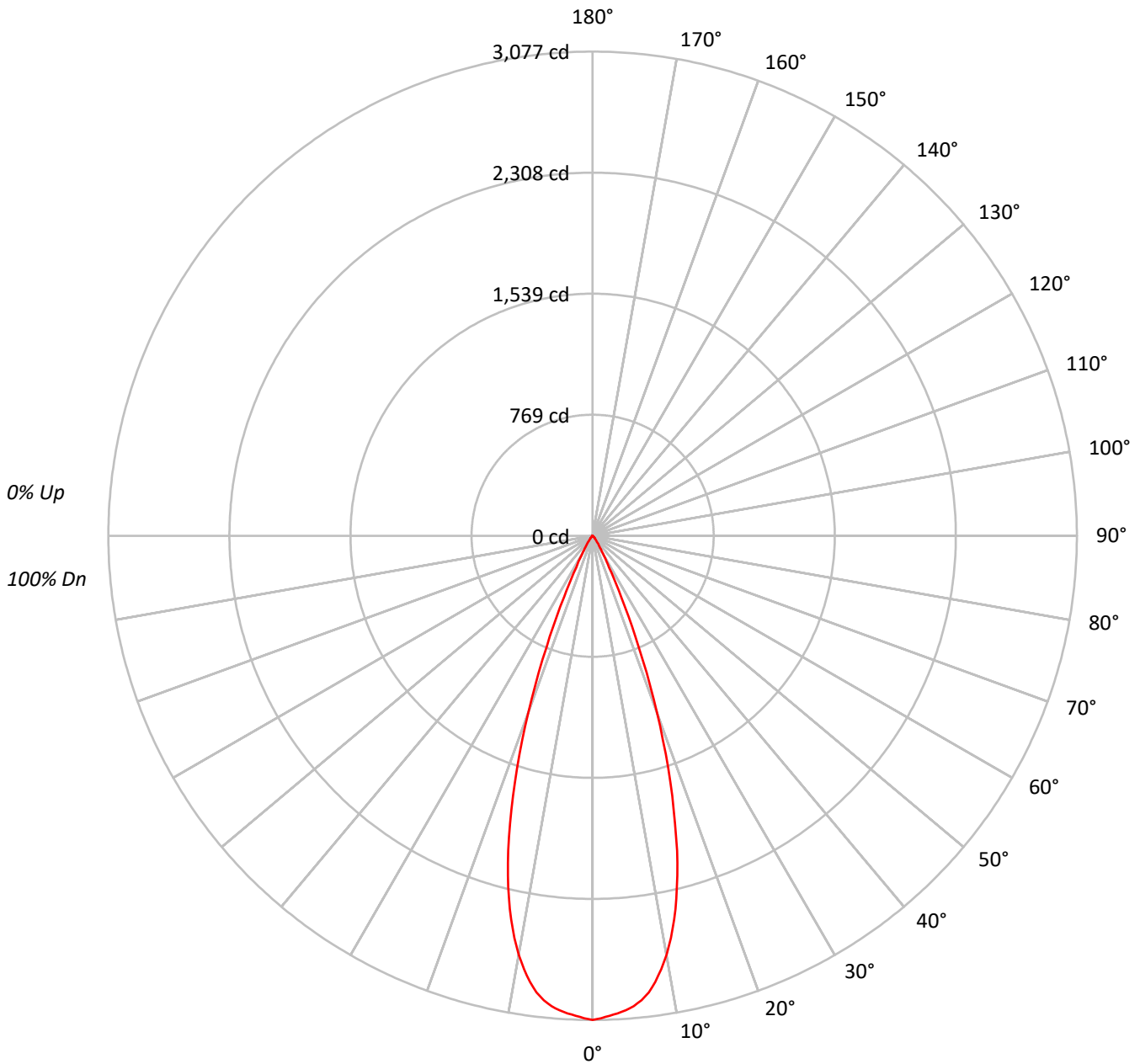
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1518074
5°	1485987
10°	1354380
15°	1058000
20°	626407
25°	232879
30°	72749
35°	32343
40°	15006
45°	7047
50°	3914
55°	2150
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.4	25.1
10°-20°	551.6	50.0
20°-30°	225.9	20.5
30°-40°	37.4	3.4
40°-50°	8.8	0.8
50°-60°	2.3	0.2
60°-70°	0.6	0.1
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°	1054.8	95.5
0°-40°	1092.2	98.9
0°-60°	1103.4	99.9
0°-90°	1104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3077	
5°	3000	277
15°	2071	552
25°	428	226
35°	54	37
45°	10	9
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3077.0
1°	3066.4
2°	3052.2
3°	3039.5
4°	3022.8
5°	3000.5
6°	2967.5
7°	2924.4
8°	2863.1
9°	2788.6
10°	2703.5
11°	2604.6
12°	2493.1
13°	2365.9
14°	2224.5
15°	2071.4
17.5°	1642.7
20°	1193.1
22.5°	763.8
25°	427.8
27.5°	225.5
30°	127.7
32.5°	81.1
35°	53.7
37.5°	35.5
40°	23.3
42.5°	15.2
45°	10.1
47.5°	7.1
50°	5.1
52.5°	3.5
55°	2.5
57.5°	1.5
60°	1.0
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)