

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: P279677

Luminaire Tested: **LDA2B158030D010 EU2B15FL408030 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279677
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: LDA2B158030D010 EU2B15FL408030 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: 1538.6 lumens
Efficiency: N/A
Efficacy: 109.1 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

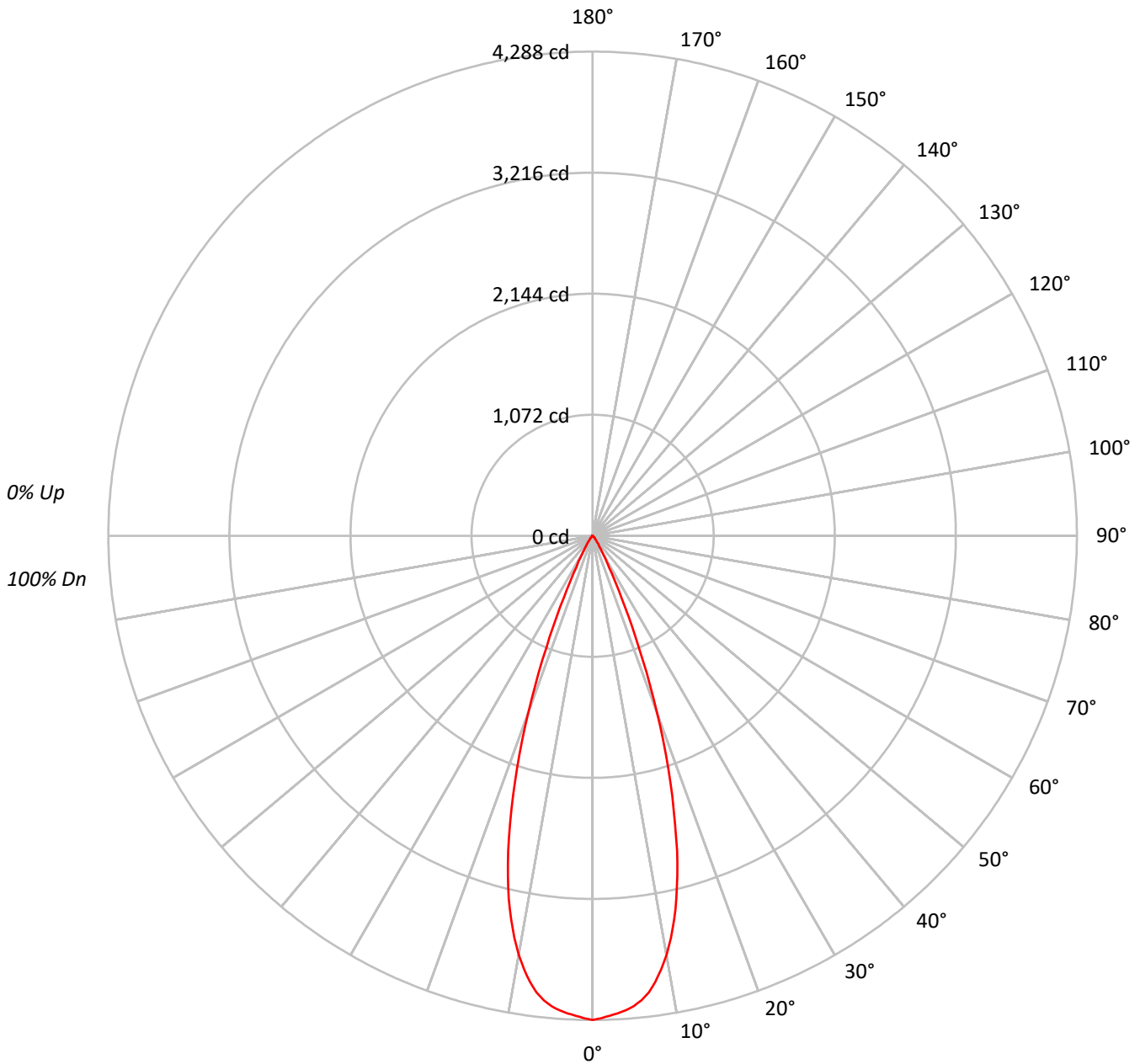
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279677

CATALOG NUMBER: LDA2B158030D010 EU2B15FL408030 2LBALD1B

Luminous Intensity Polar Plot





TEST NUMBER: P279677

CATALOG NUMBER: LDA2B158030D010 EU2B15FL408030 2LBALD1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2115683
5°	2070972
10°	1887515
15°	1474530
20°	873011
25°	324550
30°	101404
35°	45111
40°	20931
45°	9838
50°	5449
55°	3011
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P279677

CATALOG NUMBER: LDA2B158030D010 EU2B15FL408030 2LBALD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.5	25.1
10°-20°	768.7	50.0
20°-30°	314.8	20.5
30°-40°	52.1	3.4
40°-50°	12.3	0.8
50°-60°	3.3	0.2
60°-70°	0.8	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°	1470.0	95.5
0°-40°	1522.1	98.9
0°-60°	1537.7	99.9
0°-90°	1538.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4288	
5°	4182	387
15°	2887	769
25°	596	315
35°	75	52
45°	14	12
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279677

CATALOG NUMBER: LDA2B158030D010 EU2B15FL408030 2LBALD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	4288.3
1°	4273.5
2°	4253.7
3°	4236.0
4°	4212.7
5°	4181.7
6°	4135.7
7°	4075.7
8°	3990.2
9°	3886.4
10°	3767.7
11°	3630.0
12°	3474.6
13°	3297.3
14°	3100.2
15°	2886.9
17.5°	2289.3
20°	1662.8
22.5°	1064.5
25°	596.2
27.5°	314.3
30°	178.0
32.5°	113.0
35°	74.9
37.5°	49.4
40°	32.5
42.5°	21.2
45°	14.1
47.5°	9.9
50°	7.1
52.5°	4.9
55°	3.5
57.5°	2.1
60°	1.4
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



TEST NUMBER: P279677

CATALOG NUMBER: LDA2B158030D010 EU2B15FL408030 2LBALD1B

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)