

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: P278085

Luminaire Tested: **LDA2B158027D010 EU2B15SP158027 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158027D010 EU2B15SP158027 2LBAD1B
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1412.4 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

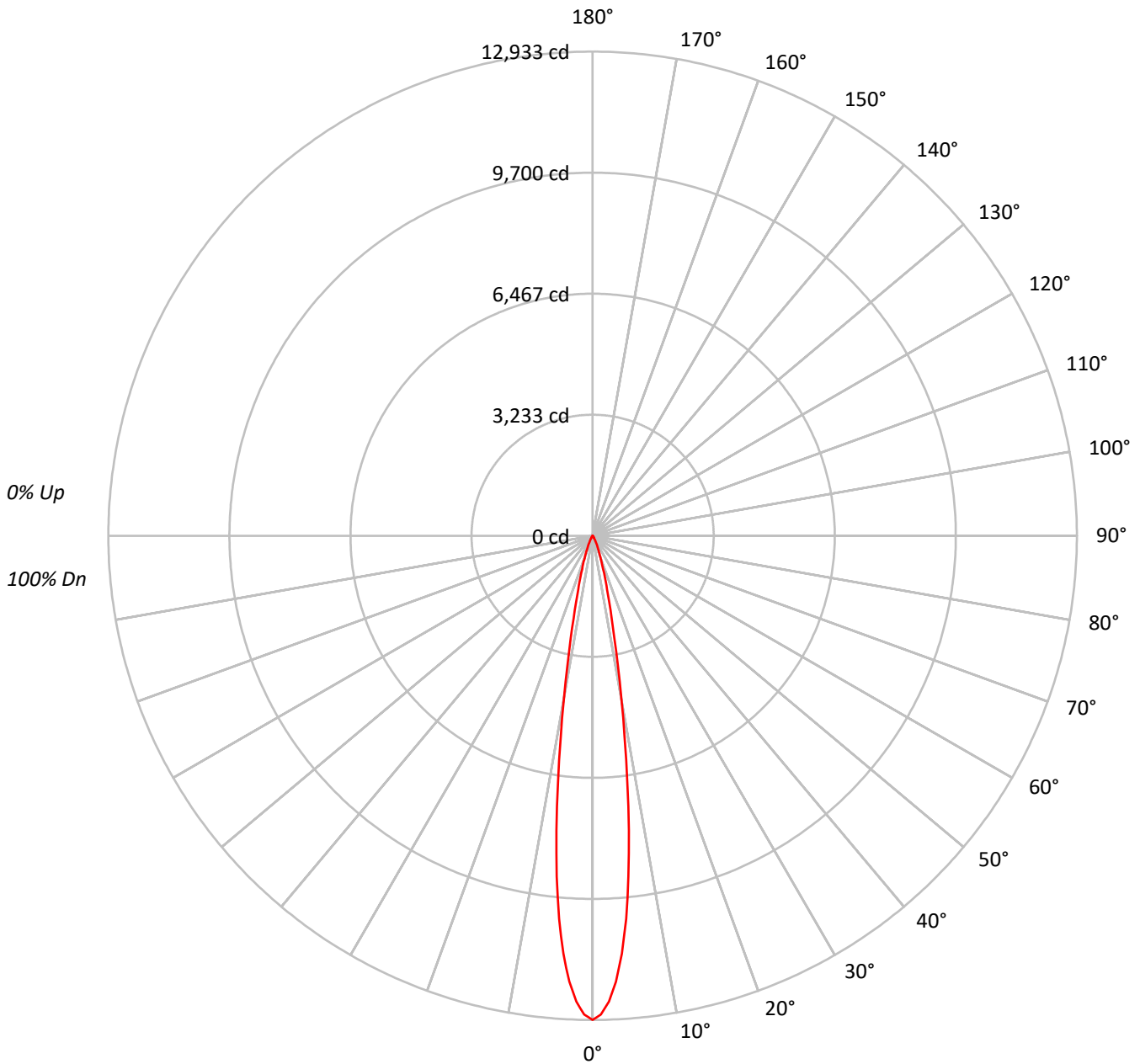
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278085

CATALOG NUMBER: LDA2B158027D010 EU2B15SP158027 2LBAD1B

Luminous Intensity Polar Plot





TEST NUMBER: P278085

CATALOG NUMBER: LDA2B158027D010 EU2B15SP158027 2LBAD1B

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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96	96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93	93	93	93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	92	92	92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	90	90	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	88	88	88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	86	86	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	85	85	85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	83	83	83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	82	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6380500
5°	5086923
10°	2208438
15°	763033
20°	312862
25°	141317
30°	56855
35°	26500
40°	14362
45°	5372
50°	3224
55°	2408
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P278085

CATALOG NUMBER: LDA2B158027D010 EU2B15SP158027 2LBAD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.3	55.0
10°-20°	466.2	33.0
20°-30°	128.3	9.1
30°-40°	30.5	2.2
40°-50°	7.5	0.5
50°-60°	2.5	0.2
60°-70°	0.9	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°	1370.8	97.1
0°-40°	1401.3	99.2
0°-60°	1411.4	99.9
0°-90°	1412.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12933	
5°	10272	776
15°	1494	466
25°	260	128
35°	44	31
45°	8	8
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278085

CATALOG NUMBER: LDA2B158027D010 EU2B15SP158027 2LBAD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	12932.7
1°	12789.6
2°	12447.0
3°	11924.4
4°	11186.9
5°	10271.5
6°	9153.7
7°	7929.2
8°	6642.5
9°	5459.1
10°	4408.3
11°	3518.7
12°	2800.7
13°	2258.6
14°	1827.4
15°	1493.9
17.5°	927.3
20°	595.9
22.5°	390.7
25°	259.6
27.5°	166.8
30°	99.8
32.5°	62.8
35°	44.0
37.5°	32.1
40°	22.3
42.5°	13.3
45°	7.7
47.5°	5.6
50°	4.2
52.5°	3.5
55°	2.8
57.5°	2.1
60°	1.4
62.5°	1.4
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: P278085

CATALOG NUMBER: LDA2B158027D010 EU2B15SP158027 2LBAD1B

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)