

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: P278187

Luminaire Tested: **LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278187
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: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1077.0 lumens
Efficiency: N/A
Efficacy: 76.4 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

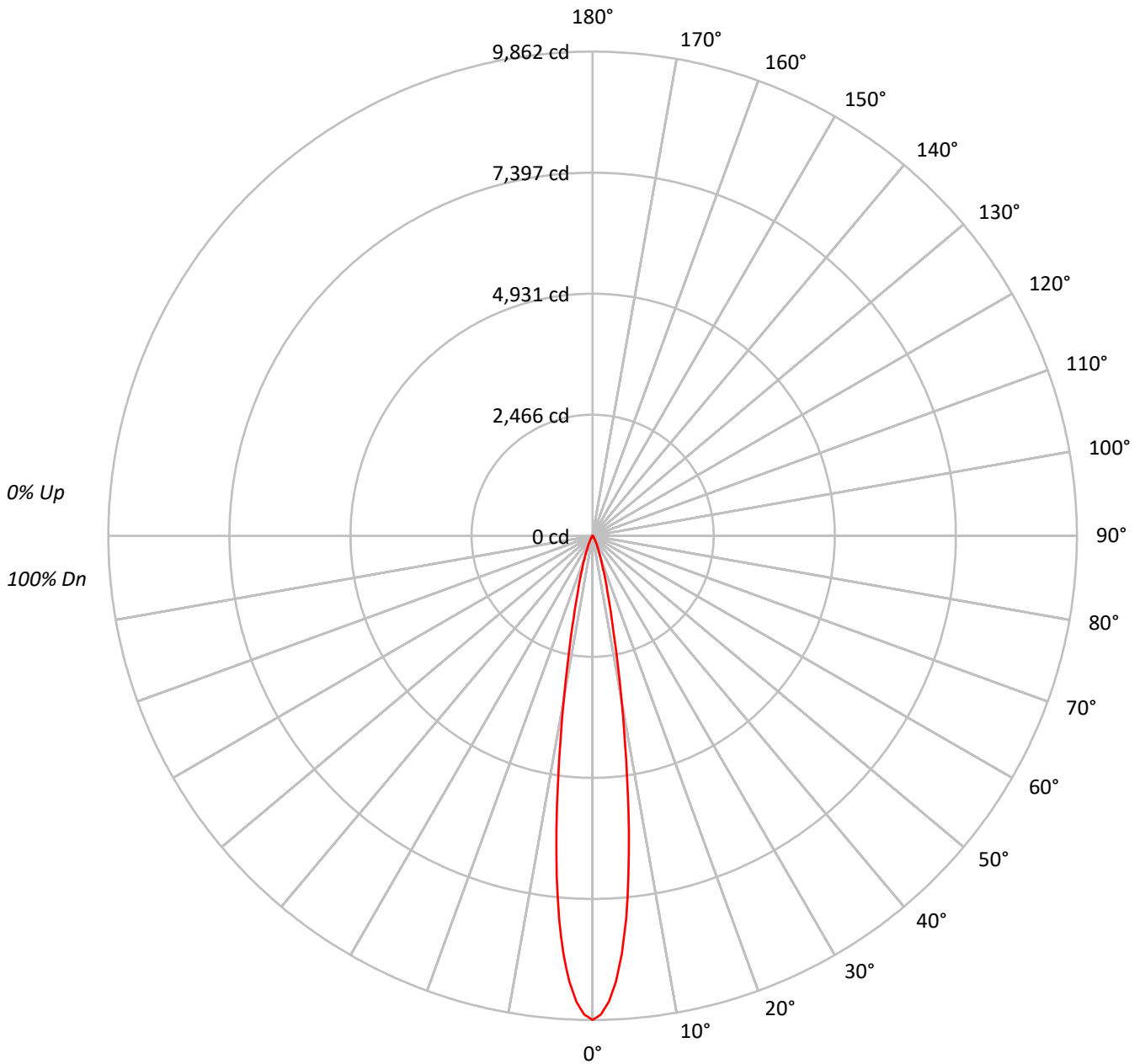
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278187

CATALOG NUMBER: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P278187

CATALOG NUMBER: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98				98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96				96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93				93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92				92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90				90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88				88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86				86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85				85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83				83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82				82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4865534
5°	3879067
10°	1684070
15°	581864
20°	238571
25°	107730
30°	43353
35°	20176
40°	10949
45°	4117
50°	2456
55°	1806
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P278187

CATALOG NUMBER: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.0	55.0
10°-20°	355.5	33.0
20°-30°	97.9	9.1
30°-40°	23.3	2.2
40°-50°	5.7	0.5
50°-60°	1.9	0.2
60°-70°	0.7	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°	1045.3	97.1
0°-40°	1068.6	99.2
0°-60°	1076.2	99.9
0°-90°	1077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9862	
5°	7833	592
15°	1139	356
25°	198	98
35°	34	23
45°	6	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278187

CATALOG NUMBER: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9862.0
1°	9752.9
2°	9491.6
3°	9093.1
4°	8530.7
5°	7832.6
6°	6980.3
7°	6046.5
8°	5065.3
9°	4162.9
10°	3361.6
11°	2683.2
12°	2135.7
13°	1722.3
14°	1393.5
15°	1139.2
17.5°	707.1
20°	454.4
22.5°	298.0
25°	197.9
27.5°	127.2
30°	76.1
32.5°	47.9
35°	33.5
37.5°	24.5
40°	17.0
42.5°	10.1
45°	5.9
47.5°	4.3
50°	3.2
52.5°	2.7
55°	2.1
57.5°	1.6
60°	1.1
62.5°	1.1
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



TEST NUMBER: P278187

CATALOG NUMBER: LDA2B15D2WD010 EU2B15SP15D2W 2LBAD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)