

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: P278114

Luminaire Tested: **LDA2B158050D010 EU2B15SP158050 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278114
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: LDA2B158050D010 EU2B15SP158050 2LBAD1H
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1505.2 lumens
Efficiency: N/A
Efficacy: 106.7 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

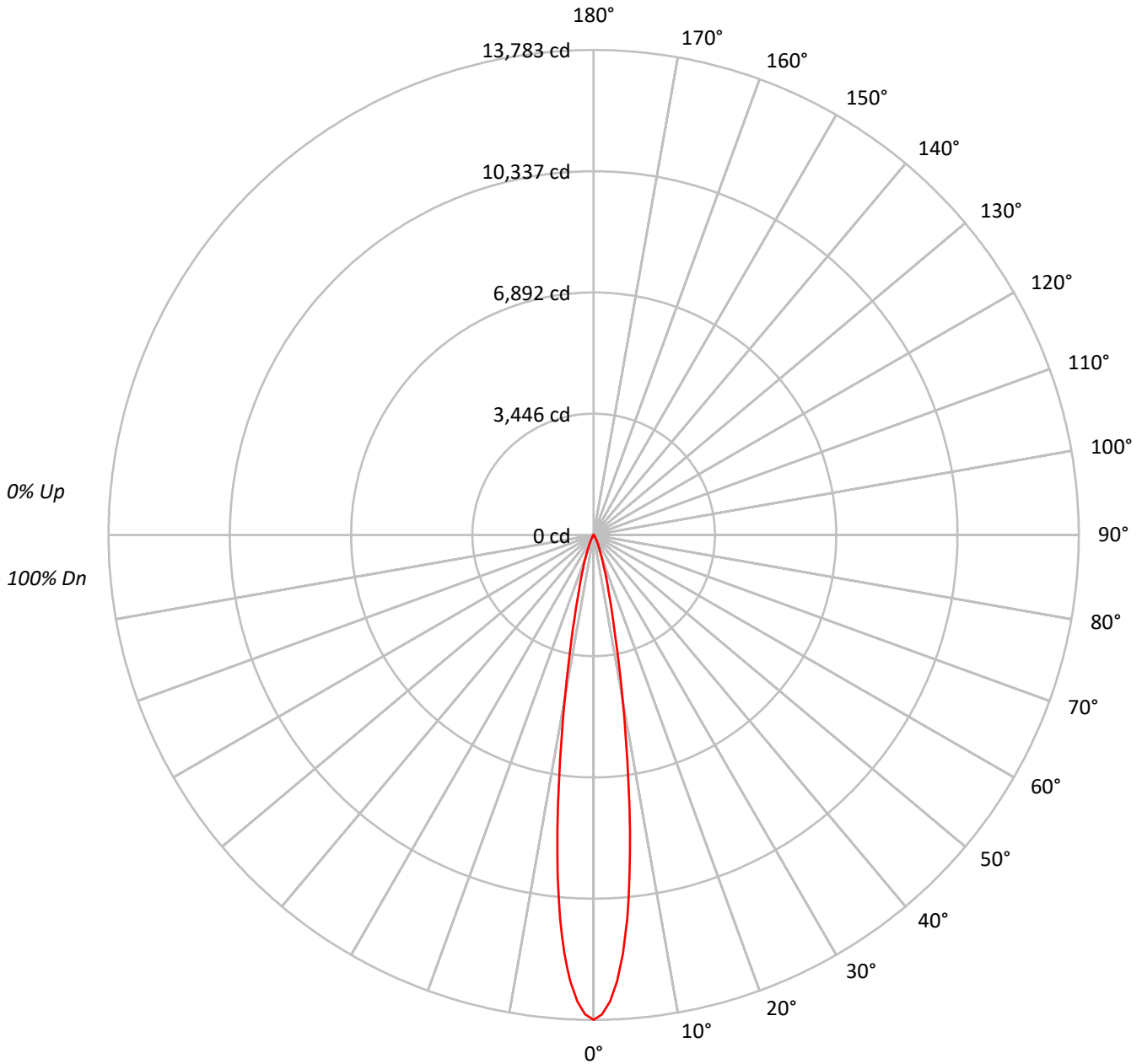
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278114

CATALOG NUMBER: LDA2B158050D010 EU2B15SP158050 2LBAD1H

Luminous Intensity Polar Plot





TEST NUMBER: P278114

CATALOG NUMBER: LDA2B158050D010 EU2B15SP158050 2LBAD1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	97	96	95	94	93	92	91	90	89	88	87	86															
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84															
3	110	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82															
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80															
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78															
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76															
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73														
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72														
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70														
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6800006
5°	5421363
10°	2353670
15°	813190
20°	333443
25°	150571
30°	60558
35°	28187
40°	15328
45°	5721
50°	3454
55°	2580
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P278114

CATALOG NUMBER: LDA2B158050D010 EU2B15SP158050 2LBAD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.3	55.0
10°-20°	496.9	33.0
20°-30°	136.8	9.1
30°-40°	32.5	2.2
40°-50°	8.0	0.5
50°-60°	2.6	0.2
60°-70°	1.0	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°	1460.9	97.1
0°-40°	1493.4	99.2
0°-60°	1504.1	99.9
0°-90°	1505.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1505.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13783	
5°	10947	827
15°	1592	497
25°	277	137
35°	47	33
45°	8	8
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278114

CATALOG NUMBER: LDA2B158050D010 EU2B15SP158050 2LBAD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	13783.0
1°	13630.5
2°	13265.4
3°	12708.5
4°	11922.4
5°	10946.8
6°	9755.5
7°	8450.5
8°	7079.3
9°	5818.1
10°	4698.2
11°	3750.1
12°	2984.9
13°	2407.1
14°	1947.5
15°	1592.1
17.5°	988.3
20°	635.1
22.5°	416.4
25°	276.6
27.5°	177.7
30°	106.3
32.5°	66.9
35°	46.8
37.5°	34.2
40°	23.8
42.5°	14.1
45°	8.2
47.5°	5.9
50°	4.5
52.5°	3.7
55°	3.0
57.5°	2.2
60°	1.5
62.5°	1.5
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: P278114

CATALOG NUMBER: LDA2B158050D010 EU2B15SP158050 2LBAD1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)