

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: P278068

Luminaire Tested: **LDA2B109730D010 EU2B10SP159730 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278068
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: LDA2B109730D010 EU2B10SP159730 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.0 lumens
Efficiency: N/A
Efficacy: 80.1 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

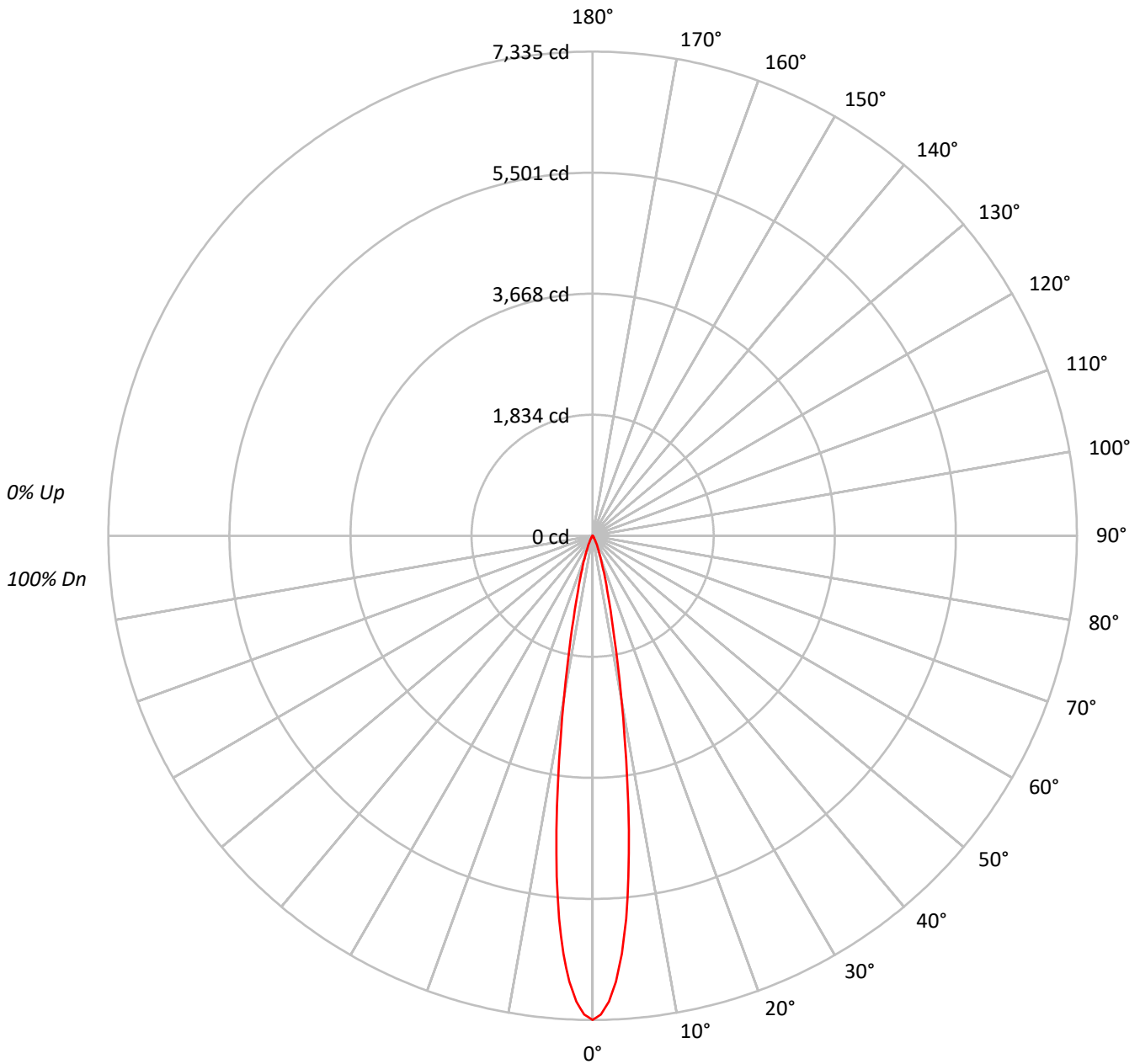
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278068

CATALOG NUMBER: LDA2B109730D010 EU2B10SP159730 2LBAD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P278068

CATALOG NUMBER: LDA2B109730D010 EU2B10SP159730 2LBAD1MW

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	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																		
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																		
3	109	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																		
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																		
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																		
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																		
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																		
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																	
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																	
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	81	80	79	78	77	76	75	74	73	72	71																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3618710
5°	2885058
10°	1252532
15°	432721
20°	177406
25°	80130
30°	32244
35°	14997
40°	8179
45°	3070
50°	1842
55°	1376
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278068

CATALOG NUMBER: LDA2B109730D010 EU2B10SP159730 2LBAD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	55.0
10°-20°	264.4	33.0
20°-30°	72.8	9.1
30°-40°	17.3	2.2
40°-50°	4.3	0.5
50°-60°	1.4	0.2
60°-70°	0.5	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°	777.4	97.1
0°-40°	794.7	99.2
0°-60°	800.5	99.9
0°-90°	801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7335	
5°	5826	440
15°	847	264
25°	147	73
35°	25	17
45°	4	4
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278068

CATALOG NUMBER: LDA2B109730D010 EU2B10SP159730 2LBAD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7334.8
1°	7253.6
2°	7059.3
3°	6762.9
4°	6344.7
5°	5825.5
6°	5191.5
7°	4497.0
8°	3767.3
9°	3096.2
10°	2500.2
11°	1995.6
12°	1588.4
13°	1281.0
14°	1036.4
15°	847.2
17.5°	525.9
20°	337.9
22.5°	221.6
25°	147.2
27.5°	94.6
30°	56.6
32.5°	35.6
35°	24.9
37.5°	18.2
40°	12.7
42.5°	7.5
45°	4.4
47.5°	3.2
50°	2.4
52.5°	2.0
55°	1.6
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P278068

CATALOG NUMBER: LDA2B109730D010 EU2B10SP159730 2LBAD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)