

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: P278322

Luminaire Tested: **LDA2B058030D010 EU2B05NFL258030 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B058030D010 EU2B05NFL258030 2LBAD1H
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.1 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

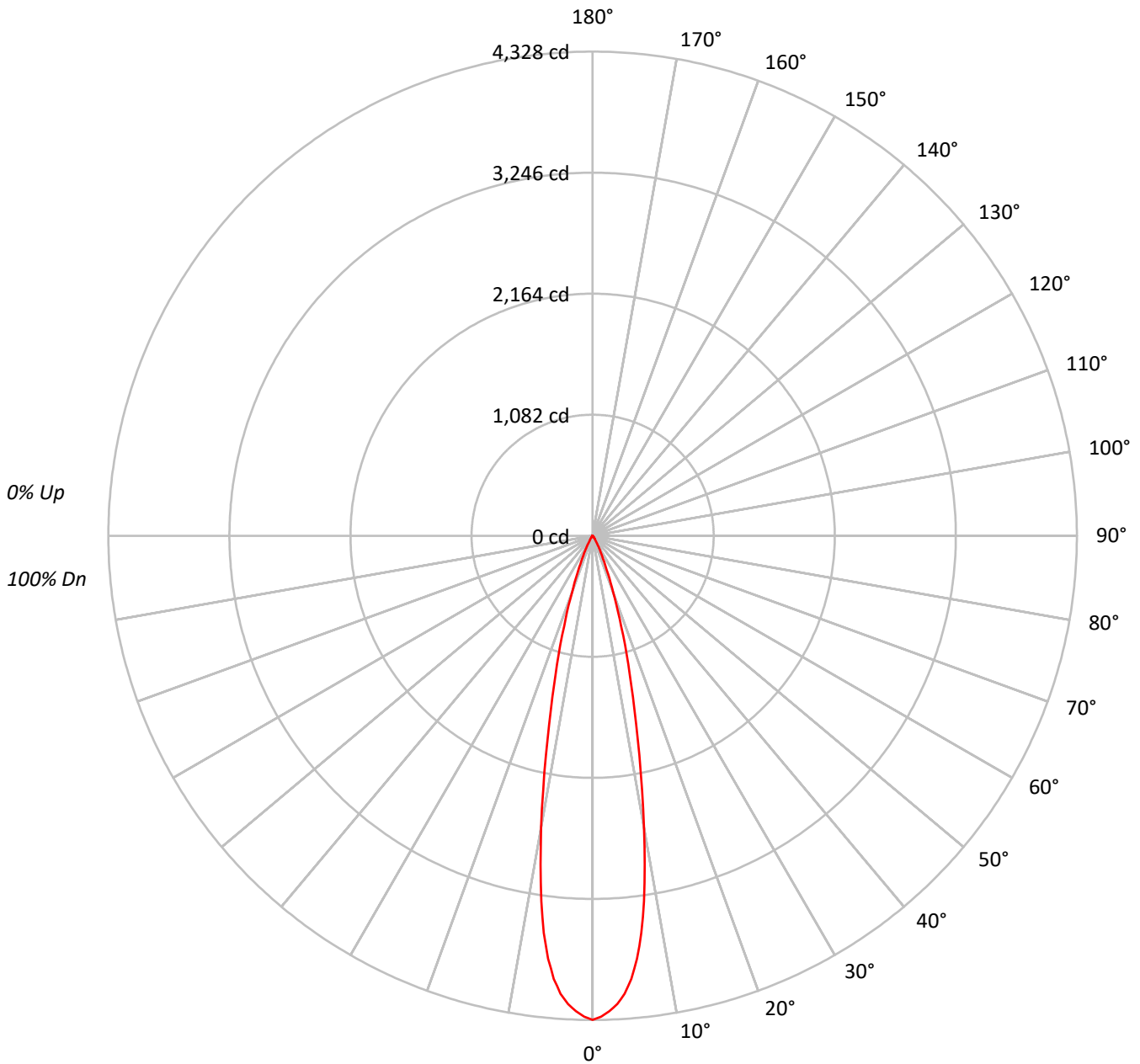
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278322

CATALOG NUMBER: LDA2B058030D010 EU2B05NFL258030 2LBAD1H

Luminous Intensity Polar Plot





TEST NUMBER: P278322

CATALOG NUMBER: LDA2B058030D010 EU2B05NFL258030 2LBAD1H

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	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2135023
5°	1969000
10°	1326876
15°	654189
20°	279418
25°	109853
30°	43239
35°	18972
40°	9145
45°	4396
50°	2379
55°	1376
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P278322

CATALOG NUMBER: LDA2B058030D010 EU2B05NFL258030 2LBAD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	40.4
10°-20°	362.7	43.5
20°-30°	104.7	12.6
30°-40°	22.1	2.7
40°-50°	5.4	0.7
50°-60°	1.6	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	804.2	96.4
0°-40°	826.3	99.1
0°-60°	833.3	99.9
0°-90°	834.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4328	
5°	3976	337
15°	1281	363
25°	202	105
35°	32	22
45°	6	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278322

CATALOG NUMBER: LDA2B058030D010 EU2B05NFL258030 2LBAD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	4327.5
1°	4300.4
2°	4254.3
3°	4192.2
4°	4104.1
5°	3975.8
6°	3802.7
7°	3576.9
8°	3299.2
9°	2975.5
10°	2648.6
11°	2318.2
12°	2006.2
13°	1729.3
14°	1485.8
15°	1280.8
17.5°	846.5
20°	532.2
22.5°	327.3
25°	201.8
27.5°	123.1
30°	75.9
32.5°	48.0
35°	31.5
37.5°	20.8
40°	14.2
42.5°	9.8
45°	6.3
47.5°	3.9
50°	3.1
52.5°	2.4
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°	0.4
75°	0.0
77.5°	0.4
80°	0.0
82.5°	0.0



TEST NUMBER: P278322

CATALOG NUMBER: LDA2B058030D010 EU2B05NFL258030 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)