

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: P278426

Luminaire Tested: **LDA2B059030D010 EU2B05NFL259030 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278426
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: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 627.6 lumens
Efficiency: N/A
Efficacy: 89.7 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

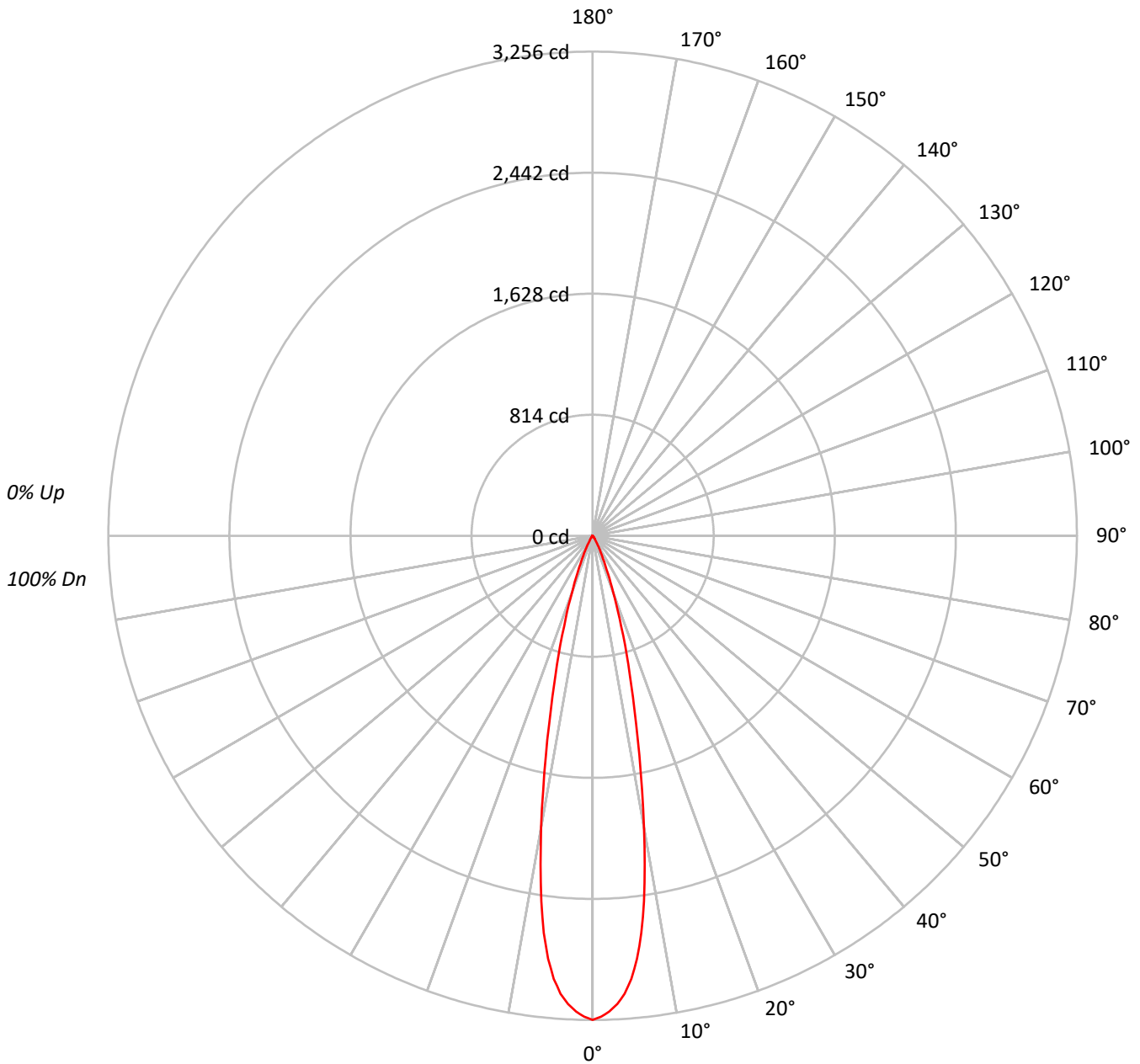
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278426

CATALOG NUMBER: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P278426

CATALOG NUMBER: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1606337
5°	1481430
10°	998288
15°	492174
20°	210220
25°	82635
30°	32529
35°	14274
40°	6891
45°	3279
50°	1842
55°	1032
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P278426

CATALOG NUMBER: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	40.4
10°-20°	272.9	43.5
20°-30°	78.8	12.6
30°-40°	16.6	2.7
40°-50°	4.1	0.7
50°-60°	1.2	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	605.0	96.4
0°-40°	621.7	99.1
0°-60°	627.0	99.9
0°-90°	627.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3256	
5°	2991	253
15°	964	273
25°	152	79
35°	24	17
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278426

CATALOG NUMBER: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3255.9
1°	3235.4
2°	3200.8
3°	3154.0
4°	3087.7
5°	2991.3
6°	2861.0
7°	2691.2
8°	2482.2
9°	2238.6
10°	1992.7
11°	1744.1
12°	1509.4
13°	1301.0
14°	1117.8
15°	963.6
17.5°	636.9
20°	400.4
22.5°	246.2
25°	151.8
27.5°	92.6
30°	57.1
32.5°	36.1
35°	23.7
37.5°	15.7
40°	10.7
42.5°	7.4
45°	4.7
47.5°	3.0
50°	2.4
52.5°	1.8
55°	1.2
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
80°	0.0
82.5°	0.0



TEST NUMBER: P278426

CATALOG NUMBER: LDA2B059030D010 EU2B05NFL259030 2LBALD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)