

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: P278436

Luminaire Tested: **LDA2B059035D010 EU2B05NFL259035 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278436
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: LDA2B059035D010 EU2B05NFL259035 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 698.5 lumens
Efficiency: N/A
Efficacy: 99.8 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

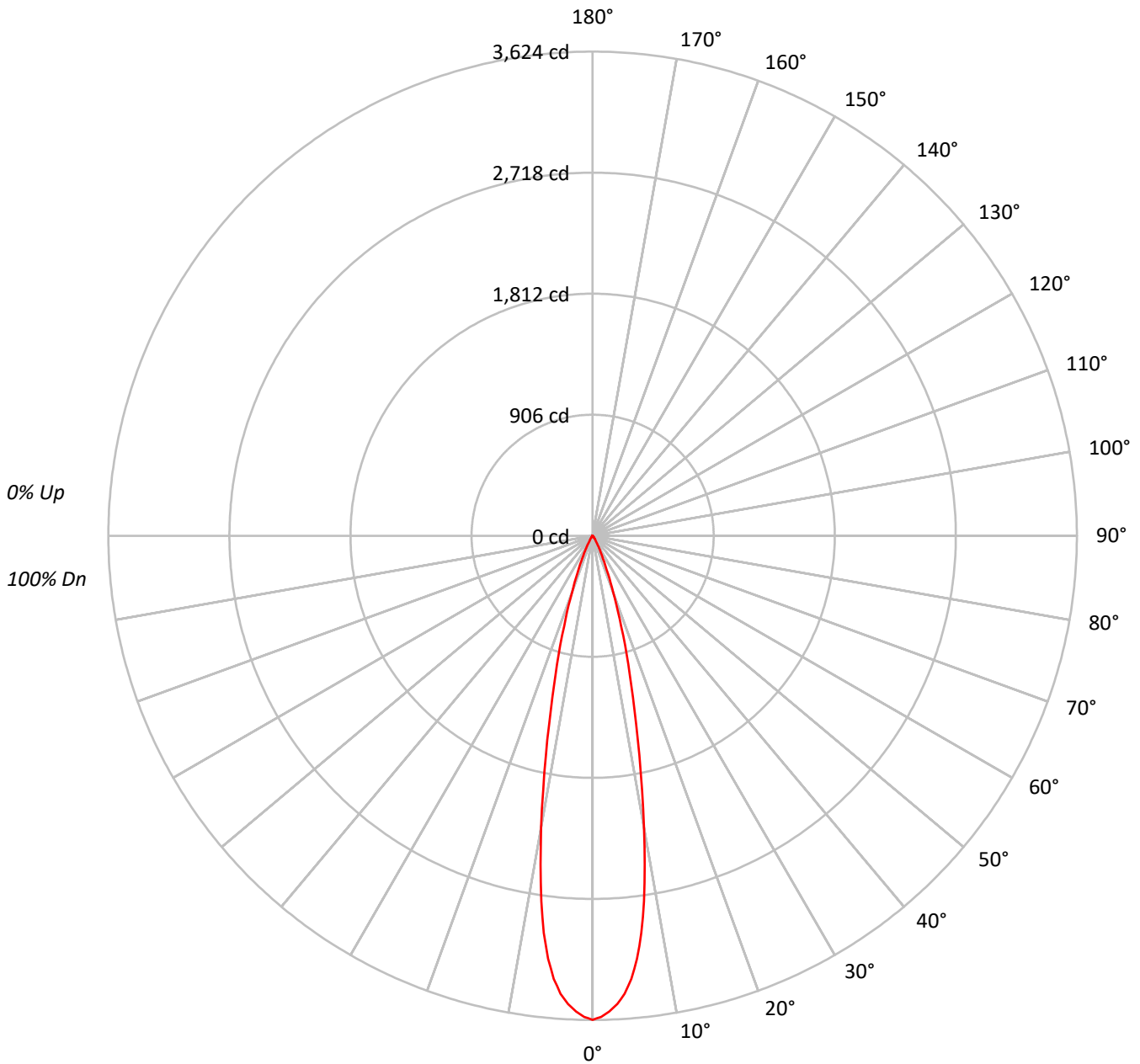
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P278436

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P278436

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	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	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	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	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	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	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	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	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	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	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	76	76	76													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1787844
5°	1648824
10°	1111107
15°	547847
20°	234003
25°	91998
30°	36232
35°	15900
40°	7664
45°	3698
50°	1996
55°	1118
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P278436

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	40.4
10°-20°	303.7	43.5
20°-30°	87.7	12.6
30°-40°	18.5	2.7
40°-50°	4.6	0.7
50°-60°	1.3	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°	673.5	96.4
0°-40°	692.0	99.1
0°-60°	697.9	99.9
0°-90°	698.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3624	
5°	3329	282
15°	1073	304
25°	169	88
35°	26	19
45°	5	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278436

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 2LBAD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3623.8
1°	3601.1
2°	3562.6
3°	3510.5
4°	3436.7
5°	3329.3
6°	3184.4
7°	2995.3
8°	2762.7
9°	2491.6
10°	2217.9
11°	1941.2
12°	1680.0
13°	1448.1
14°	1244.2
15°	1072.6
17.5°	708.9
20°	445.7
22.5°	274.1
25°	169.0
27.5°	103.1
30°	63.6
32.5°	40.2
35°	26.4
37.5°	17.5
40°	11.9
42.5°	8.2
45°	5.3
47.5°	3.3
50°	2.6
52.5°	2.0
55°	1.3
57.5°	1.0
60°	0.7
62.5°	0.7
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: P278436

CATALOG NUMBER: LDA2B059035D010 EU2B05NFL259035 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)