

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: P314903

Luminaire Tested: **LDA2B05NFL9024D010 PIN1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P314903
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: LDA2B05NFL9024D010 PIN1MMS
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus, matte metallic silver finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 518.4 lumens
Efficiency: N/A
Efficacy: 74.1 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

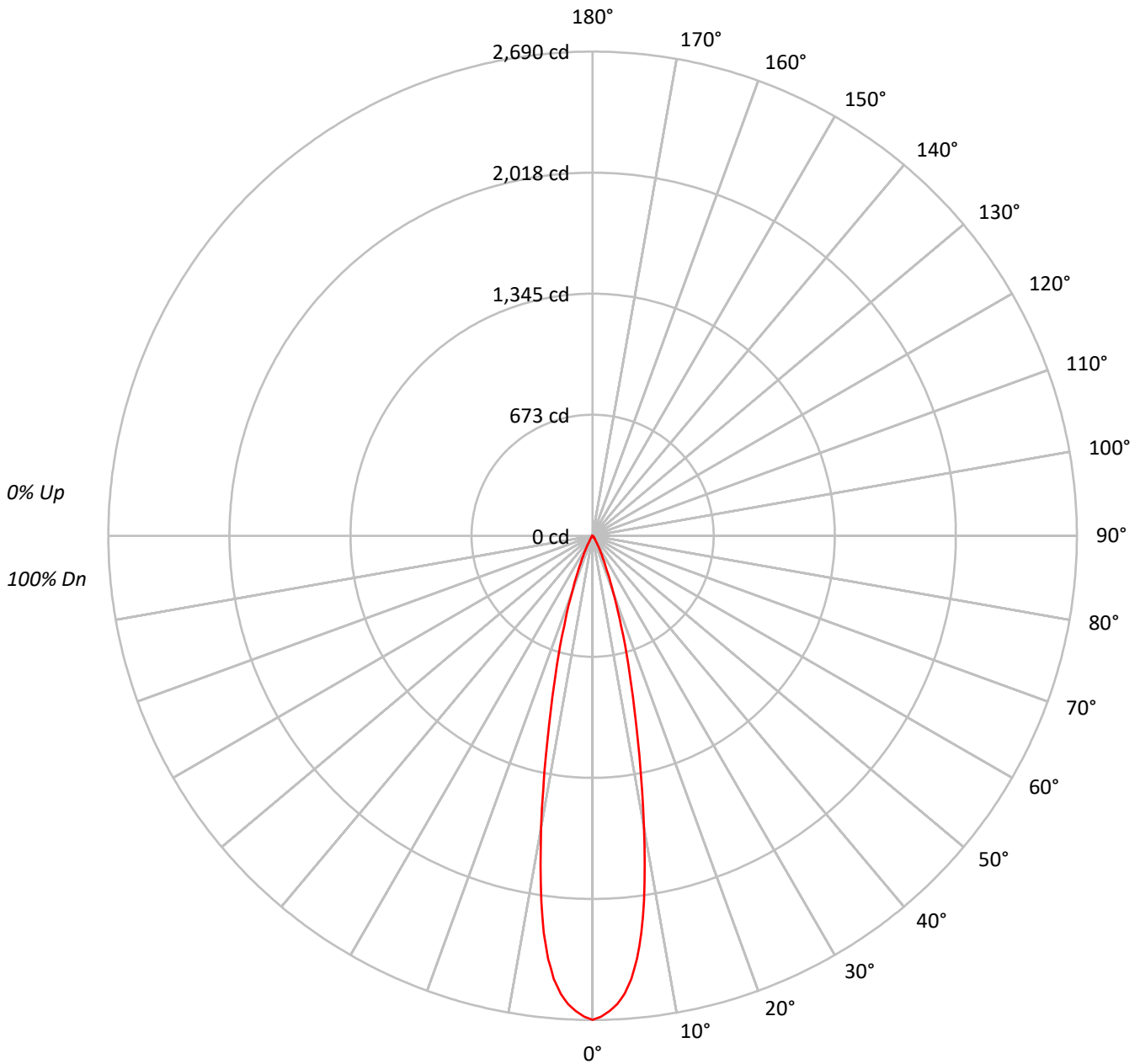
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P314903

CATALOG NUMBER: LDA2B05NFL9024D010 PIN1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P314903

CATALOG NUMBER: LDA2B05NFL9024D010 PIN1MMS

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
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	78	82	79	77	82	79	77	76		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1326946
5°	1223754
10°	824651
15°	406570
20°	173678
25°	68263
30°	26889
35°	11805
40°	5668
45°	2721
50°	1535
55°	860
60°	493
65°	233
70°	288
75°	0
80°	0
85°	0



TEST NUMBER: P314903

CATALOG NUMBER: LDA2B05NFL9024D010 PIN1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	40.4
10°-20°	225.4	43.5
20°-30°	65.1	12.6
30°-40°	13.7	2.7
40°-50°	3.4	0.7
50°-60°	1.0	0.2
60°-70°	0.3	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°	499.8	96.4
0°-40°	513.6	99.1
0°-60°	517.9	99.9
0°-90°	518.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2690	
5°	2471	209
15°	796	225
25°	125	65
35°	20	14
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P314903

CATALOG NUMBER: LDA2B05NFL9024D010 PIN1MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2689.6
1°	2672.7
2°	2644.1
3°	2605.5
4°	2550.7
5°	2471.0
6°	2363.4
7°	2223.1
8°	2050.5
9°	1849.3
10°	1646.1
11°	1440.7
12°	1246.9
13°	1074.8
14°	923.4
15°	796.0
17.5°	526.1
20°	330.8
22.5°	203.4
25°	125.4
27.5°	76.5
30°	47.2
32.5°	29.8
35°	19.6
37.5°	13.0
40°	8.8
42.5°	6.1
45°	3.9
47.5°	2.4
50°	2.0
52.5°	1.5
55°	1.0
57.5°	0.7
60°	0.5
62.5°	0.5
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.2
80°	0.0
82.5°	0.0



TEST NUMBER: P314903

CATALOG NUMBER: LDA2B05NFL9024D010 PIN1MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)