

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: P315148

Luminaire Tested: **LDA2B20NFL8050D010 PINW1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315148
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: LDA2B20NFL8050D010 PINW1MW
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus, matte white finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1920.4 lumens
Efficiency: N/A
Efficacy: 93.2 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

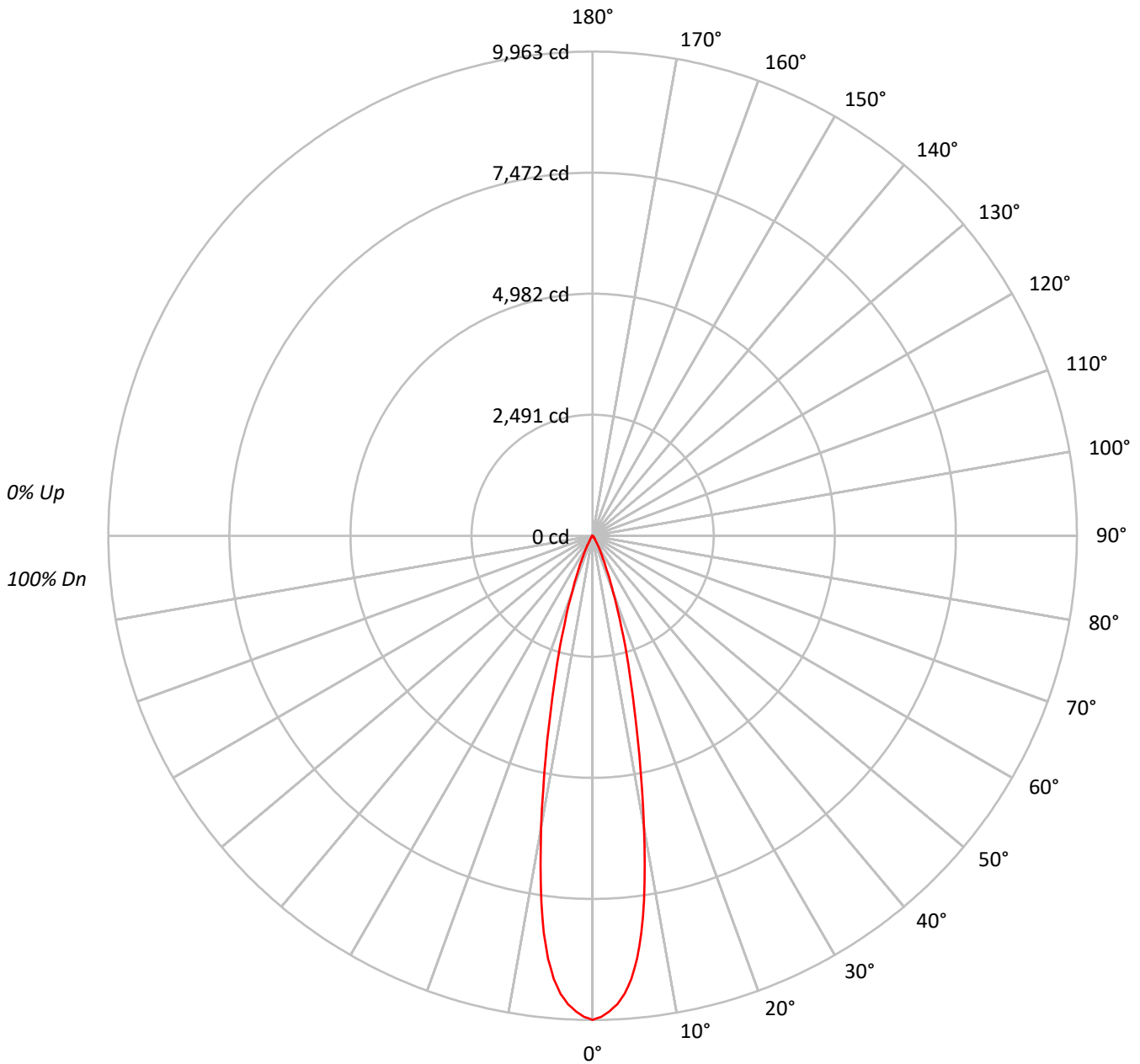
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P315148

CATALOG NUMBER: LDA2B20NFL8050D010 PINW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P315148

CATALOG NUMBER: LDA2B20NFL8050D010 PINW1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4915512
5°	4533287
10°	3054881
15°	1506197
20°	643365
25°	252912
30°	99581
35°	43666
40°	20996
45°	10117
50°	5526
55°	3097
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



TEST NUMBER: P315148

CATALOG NUMBER: LDA2B20NFL8050D010 PINW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.4	40.4
10°-20°	835.1	43.5
20°-30°	241.1	12.6
30°-40°	50.9	2.7
40°-50°	12.5	0.7
50°-60°	3.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	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°	1851.6	96.4
0°-40°	1902.5	99.1
0°-60°	1918.6	99.9
0°-90°	1920.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1920.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9963	
5°	9154	775
15°	2949	835
25°	465	241
35°	72	51
45°	14	13
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P315148

CATALOG NUMBER: LDA2B20NFL8050D010 PINW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9963.3
1°	9900.8
2°	9794.8
3°	9651.7
4°	9448.8
5°	9153.6
6°	8755.1
7°	8235.2
8°	7595.8
9°	6850.5
10°	6097.9
11°	5337.1
12°	4618.9
13°	3981.3
14°	3420.7
15°	2948.9
17.5°	1949.0
20°	1225.4
22.5°	753.5
25°	464.6
27.5°	283.5
30°	174.8
32.5°	110.5
35°	72.5
37.5°	48.0
40°	32.6
42.5°	22.6
45°	14.5
47.5°	9.1
50°	7.2
52.5°	5.4
55°	3.6
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.9
80°	0.0
82.5°	0.0



TEST NUMBER: P315148

CATALOG NUMBER: LDA2B20NFL8050D010 PINW1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)