

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: P315159

Luminaire Tested: **LDA2B20NFL9027D010 PIN1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315159
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: LDA2B20NFL9027D010 PIN1MW
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: 1404.8 lumens
Efficiency: N/A
Efficacy: 68.2 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

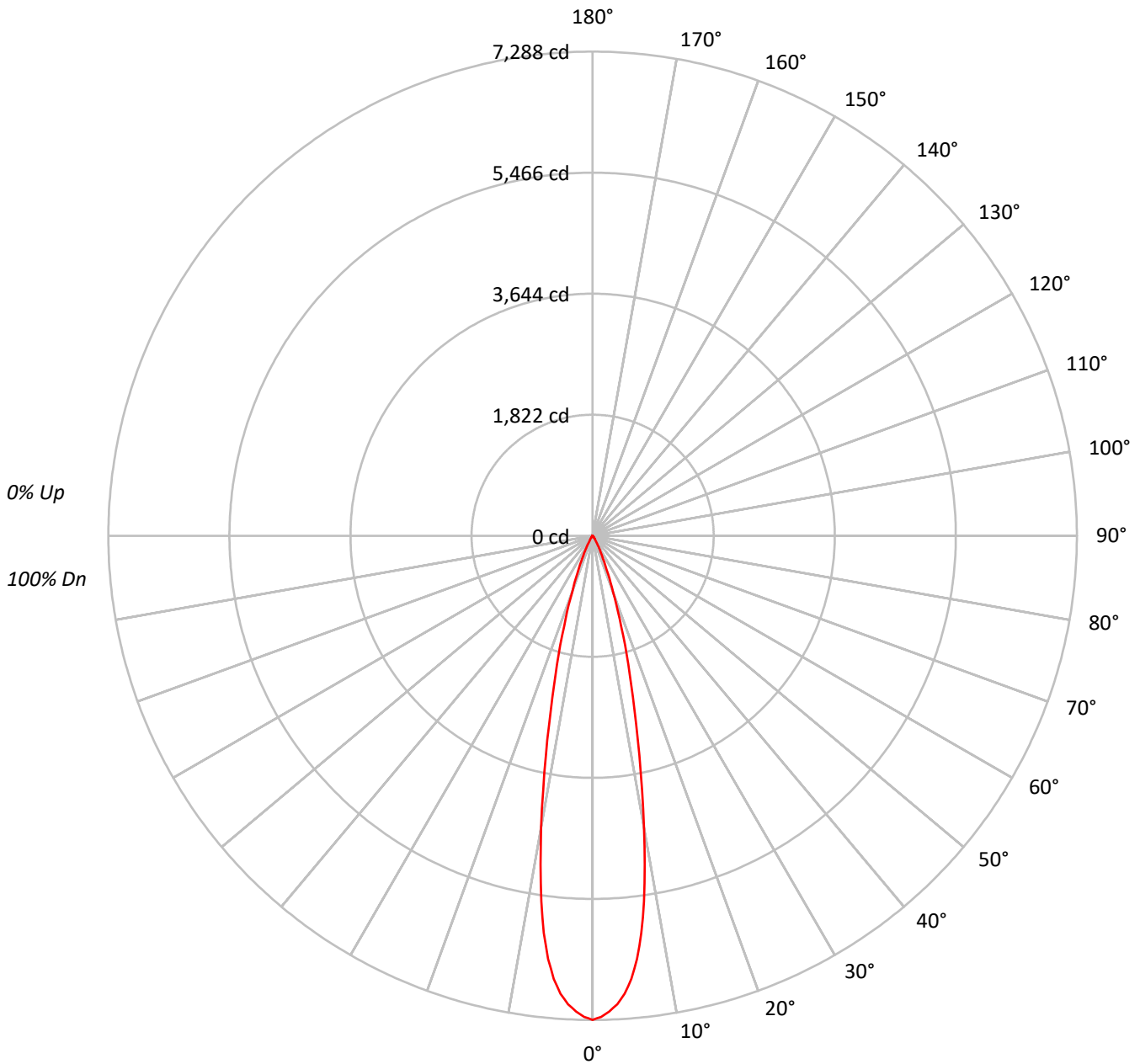
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P315159

CATALOG NUMBER: LDA2B20NFL9027D010 PIN1MW

Luminous Intensity Polar Plot





TEST NUMBER: P315159

CATALOG NUMBER: LDA2B20NFL9027D010 PIN1MW

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°	3595670
5°	3316120
10°	2234639
15°	1101773
20°	470632
25°	185029
30°	72863
35°	31921
40°	15328
45°	7396
50°	4068
55°	2236
60°	1283
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P315159

CATALOG NUMBER: LDA2B20NFL9027D010 PIN1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.2	40.4
10°-20°	610.9	43.5
20°-30°	176.4	12.6
30°-40°	37.2	2.6
40°-50°	9.2	0.7
50°-60°	2.6	0.2
60°-70°	0.9	0.1
70°-80°	0.5	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°	1354.4	96.4
0°-40°	1391.7	99.1
0°-60°	1403.4	99.9
0°-90°	1404.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7288	
5°	6696	567
15°	2157	611
25°	340	176
35°	53	37
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P315159

CATALOG NUMBER: LDA2B20NFL9027D010 PIN1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7288.1
1°	7242.4
2°	7164.9
3°	7060.2
4°	6911.8
5°	6695.9
6°	6404.4
7°	6024.1
8°	5556.4
9°	5011.1
10°	4460.6
11°	3904.1
12°	3378.7
13°	2912.3
14°	2502.3
15°	2157.1
17.5°	1425.7
20°	896.4
22.5°	551.2
25°	339.9
27.5°	207.4
30°	127.9
32.5°	80.8
35°	53.0
37.5°	35.1
40°	23.8
42.5°	16.6
45°	10.6
47.5°	6.6
50°	5.3
52.5°	4.0
55°	2.6
57.5°	2.0
60°	1.3
62.5°	1.3
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.7
80°	0.0
82.5°	0.0



TEST NUMBER: P315159

CATALOG NUMBER: LDA2B20NFL9027D010 PIN1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)