

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: P315164

Luminaire Tested: **LDA2B20NFL9027D010 PINW1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315164
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 PINW1MB
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj PinHole, White oculus black finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 68.9 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

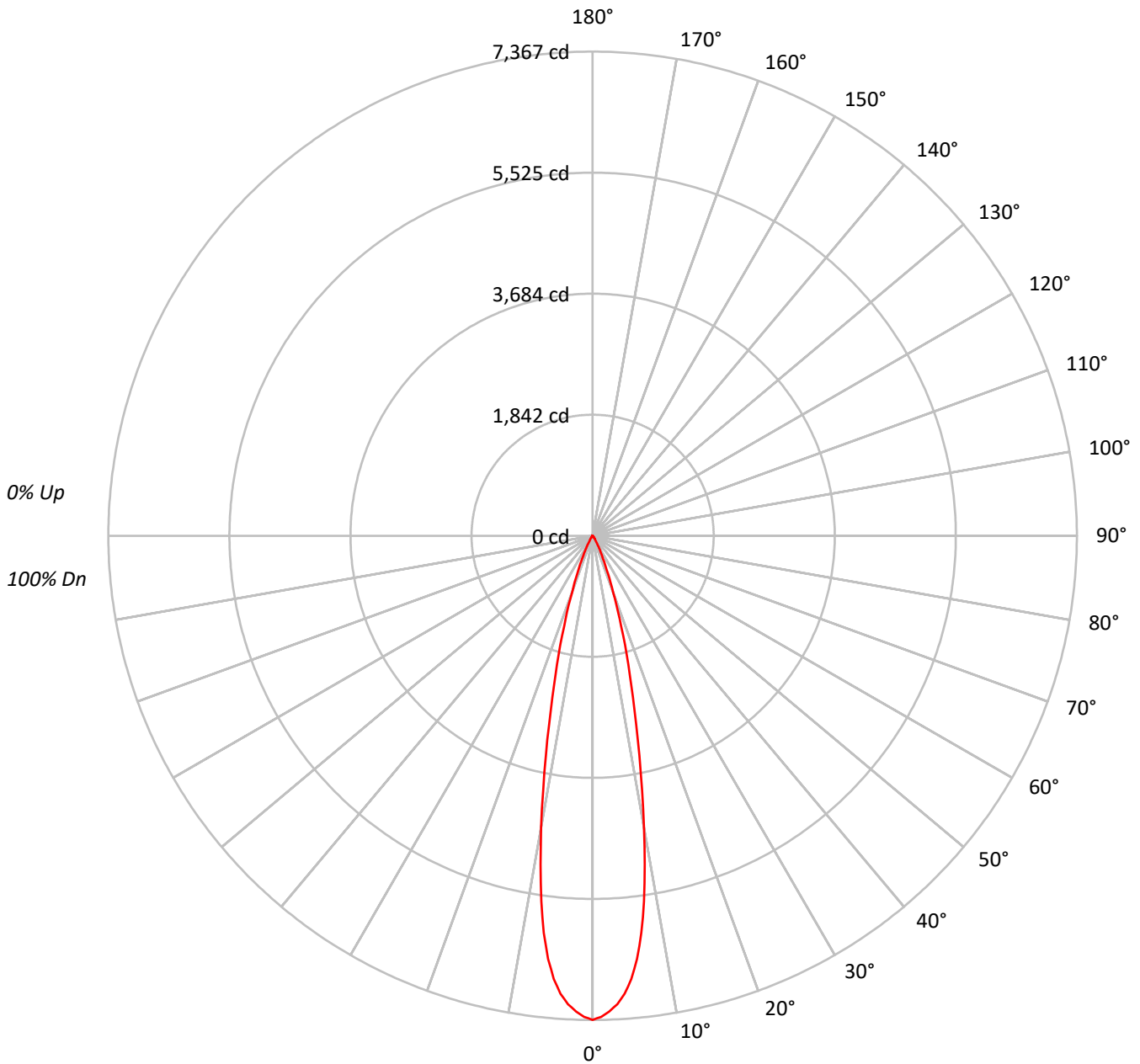
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P315164

CATALOG NUMBER: LDA2B20NFL9027D010 PINW1MB

Luminous Intensity Polar Plot





TEST NUMBER: P315164

CATALOG NUMBER: LDA2B20NFL9027D010 PINW1MB

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°	3634646
5°	3352025
10°	2258836
15°	1113725
20°	475725
25°	186989
30°	73603
35°	32282
40°	15521
45°	7466
50°	4145
55°	2322
60°	1283
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P315164

CATALOG NUMBER: LDA2B20NFL9027D010 PINW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.3	40.4
10°-20°	617.5	43.5
20°-30°	178.3	12.6
30°-40°	37.6	2.7
40°-50°	9.3	0.7
50°-60°	2.7	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°	1369.1	96.4
0°-40°	1406.7	99.1
0°-60°	1418.6	99.9
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7367	
5°	6768	573
15°	2180	617
25°	344	178
35°	54	38
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P315164

CATALOG NUMBER: LDA2B20NFL9027D010 PINW1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	7367.1
1°	7320.9
2°	7242.5
3°	7136.7
4°	6986.7
5°	6768.4
6°	6473.7
7°	6089.3
8°	5616.6
9°	5065.4
10°	4508.9
11°	3946.4
12°	3415.3
13°	2943.9
14°	2529.4
15°	2180.5
17.5°	1441.1
20°	906.1
22.5°	557.2
25°	343.5
27.5°	209.6
30°	129.2
32.5°	81.7
35°	53.6
37.5°	35.5
40°	24.1
42.5°	16.7
45°	10.7
47.5°	6.7
50°	5.4
52.5°	4.0
55°	2.7
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: P315164

CATALOG NUMBER: LDA2B20NFL9027D010 PINW1MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)