

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: P279100

Luminaire Tested: **LDA2B209030D010 EU2B20NFL259030 2LBALD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279100  
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: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl w/lens Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1578.2 lumens  
Efficiency: N/A  
Efficacy: 76.6 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

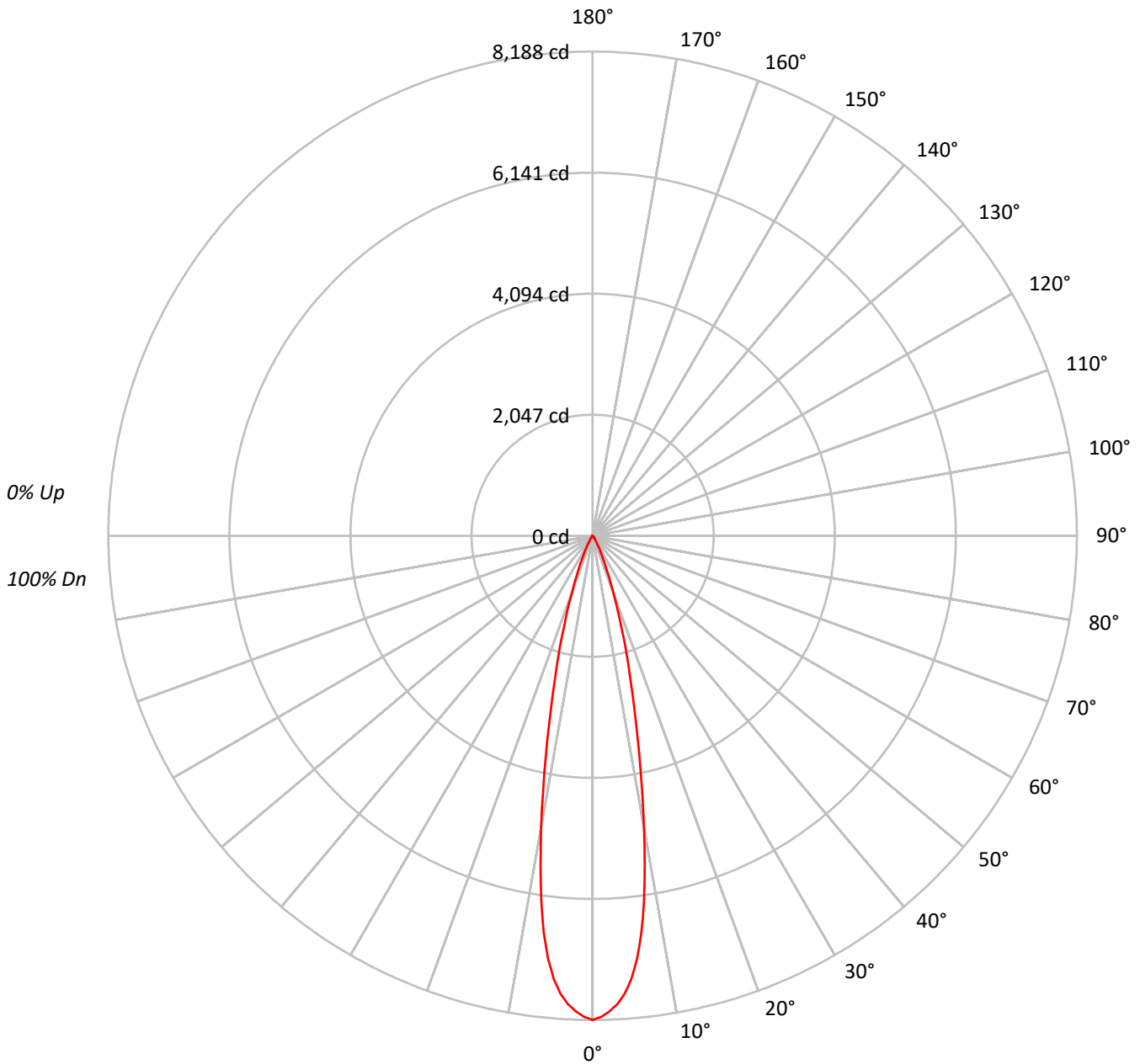
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279100

CATALOG NUMBER: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P279100

CATALOG NUMBER: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW

**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	78	82	79	77	82	79	77	76

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	4039696
5°	3725590
10°	2510575
15°	1237841
20°	528700
25°	207838
30°	81864
35°	35836
40°	17260
45°	8303
50°	4605
55°	2580
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P279100

CATALOG NUMBER: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.2	40.4
10°-20°	686.3	43.5
20°-30°	198.2	12.6
30°-40°	41.8	2.6
40°-50°	10.3	0.7
50°-60°	3.0	0.2
60°-70°	1.0	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°	1521.7	96.4
0°-40°	1563.5	99.1
0°-60°	1576.7	99.9
0°-90°	1578.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8188	
5°	7523	637
15°	2424	686
25°	382	198
35°	60	42
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279100

CATALOG NUMBER: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8188.1
1°	8136.7
2°	8049.7
3°	7932.1
4°	7765.3
5°	7522.7
6°	7195.2
7°	6768.0
8°	6242.5
9°	5629.9
10°	5011.4
11°	4386.2
12°	3796.0
13°	3272.0
14°	2811.2
15°	2423.5
17.5°	1601.7
20°	1007.0
22.5°	619.3
25°	381.8
27.5°	233.0
30°	143.7
32.5°	90.8
35°	59.5
37.5°	39.4
40°	26.8
42.5°	18.6
45°	11.9
47.5°	7.4
50°	6.0
52.5°	4.5
55°	3.0
57.5°	2.2
60°	1.5
62.5°	1.5
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: P279100

CATALOG NUMBER: LDA2B209030D010 EU2B20NFL259030 2LBALD1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)