

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: P279113

Luminaire Tested: **LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279113  
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: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1756.6 lumens  
Efficiency: N/A  
Efficacy: 85.3 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

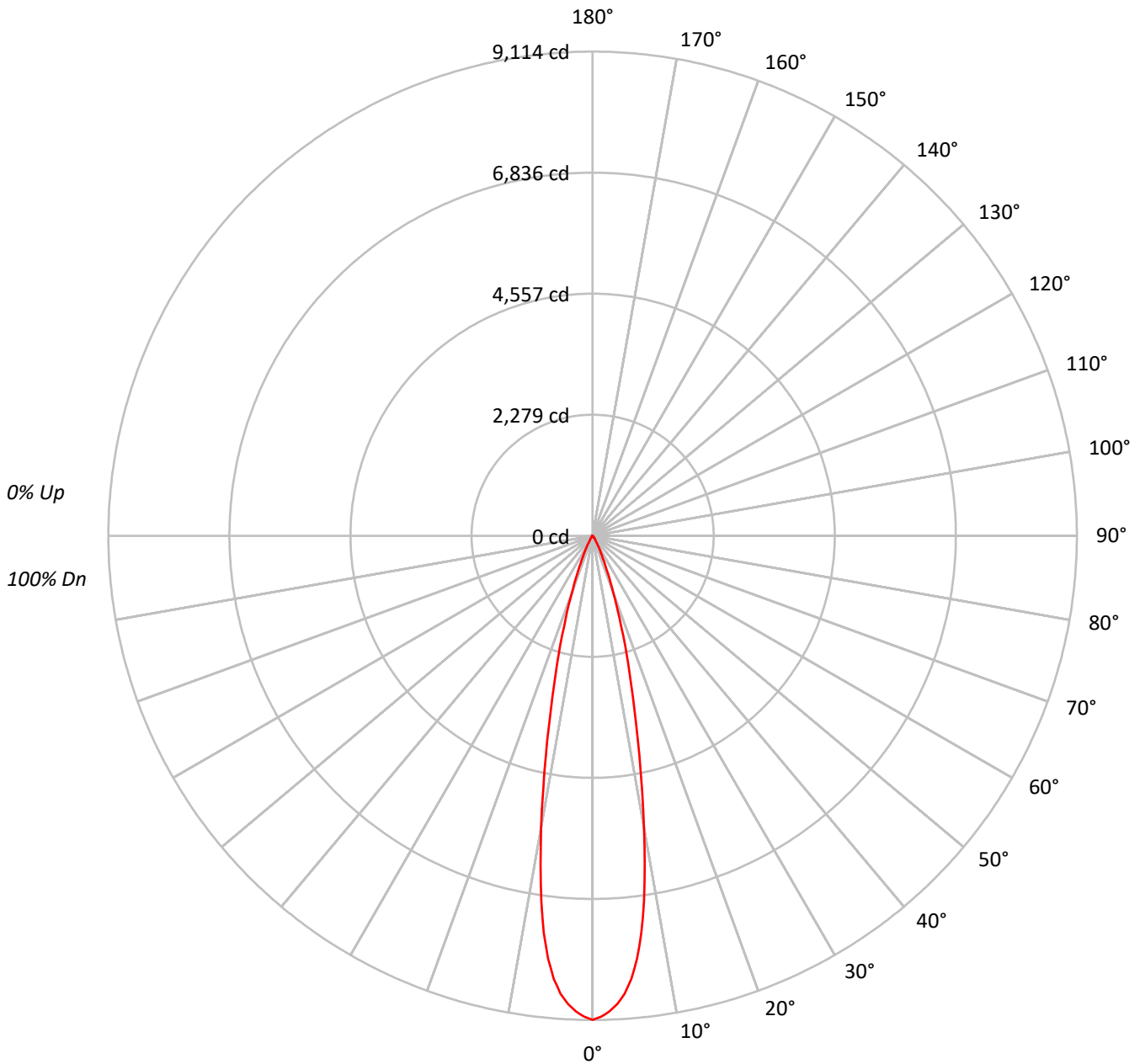
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279113

CATALOG NUMBER: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P279113

CATALOG NUMBER: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH

**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	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°	4496253
5°	4146648
10°	2794325
15°	1377739
20°	588500
25°	231355
30°	91093
35°	39931
40°	19192
45°	9280
50°	5066
55°	2838
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P279113

CATALOG NUMBER: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	709.2	40.4
10°-20°	763.9	43.5
20°-30°	220.6	12.6
30°-40°	46.6	2.7
40°-50°	11.5	0.7
50°-60°	3.3	0.2
60°-70°	1.1	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°	1693.6	96.4
0°-40°	1740.2	99.1
0°-60°	1755.0	99.9
0°-90°	1756.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1756.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9114	
5°	8373	709
15°	2697	764
25°	425	221
35°	66	47
45°	13	11
55°	3	3
65°	1	1
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P279113

CATALOG NUMBER: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9113.5
1°	9056.3
2°	8959.4
3°	8828.5
4°	8643.0
5°	8372.9
6°	8008.4
7°	7532.9
8°	6948.0
9°	6266.2
10°	5577.8
11°	4881.9
12°	4225.0
13°	3641.8
14°	3129.0
15°	2697.4
17.5°	1782.8
20°	1120.9
22.5°	689.2
25°	425.0
27.5°	259.3
30°	159.9
32.5°	101.1
35°	66.3
37.5°	43.9
40°	29.8
42.5°	20.7
45°	13.3
47.5°	8.3
50°	6.6
52.5°	5.0
55°	3.3
57.5°	2.5
60°	1.7
62.5°	1.7
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.8
80°	0.0
82.5°	0.0



TEST NUMBER: P279113

CATALOG NUMBER: LDA2B209035D010 EU2B20NFL259035 2LBAD1GPH

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)