

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: P280004

Luminaire Tested: **LDA2B209035D010 EU2B20FL409035 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B209035D010 EU2B20FL409035 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1802.9 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

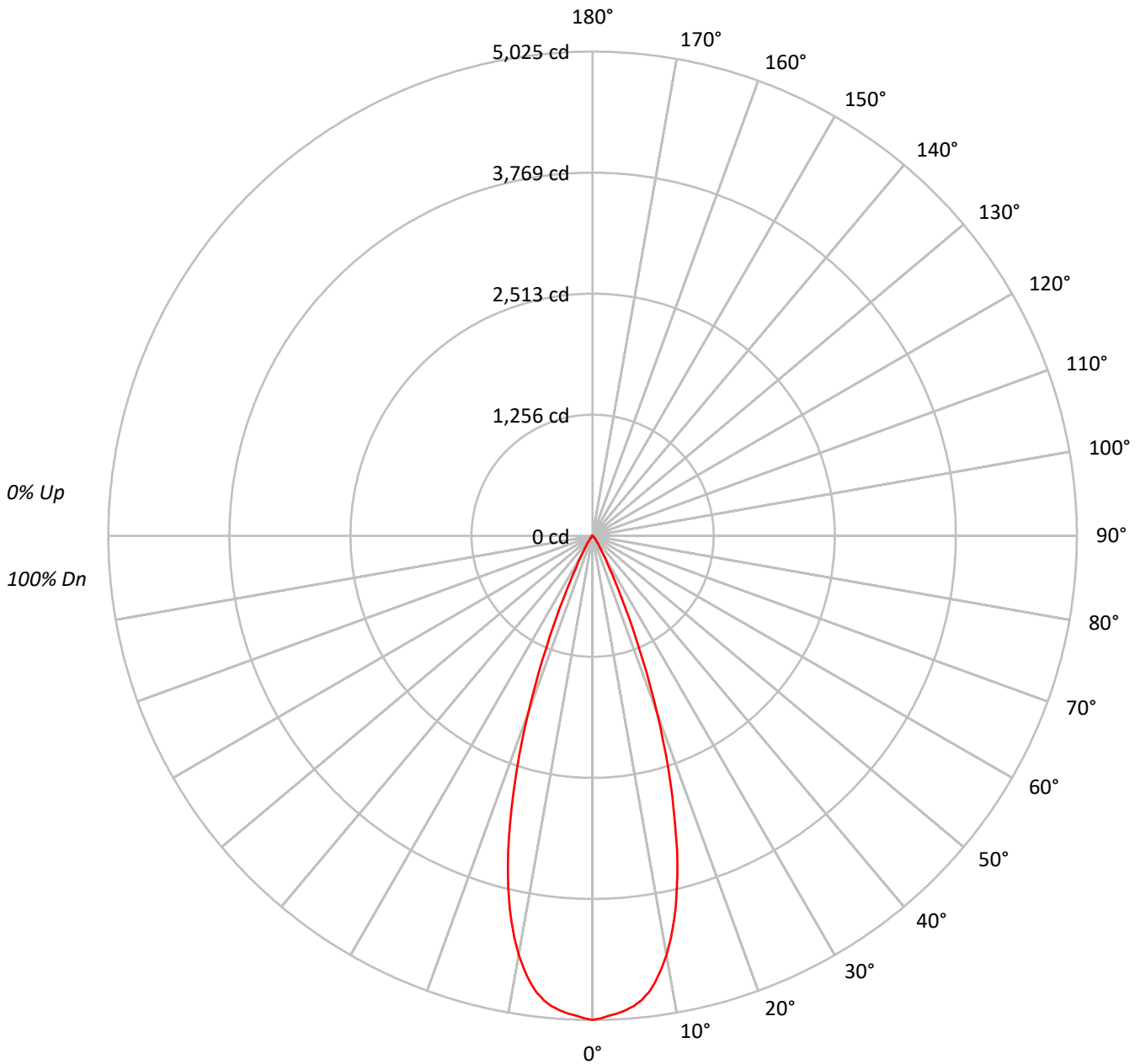
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280004

CATALOG NUMBER: LDA2B209035D010 EU2B20FL409035 2LBAD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P280004

CATALOG NUMBER: LDA2B209035D010 EU2B20FL409035 2LBAD1MW

**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																																				
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																																				
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																																				
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																																				
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85																																				
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																																				
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79																																				
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																																				
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																																				
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72																																				
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69																																				

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

	0°
0°	2479094
5°	2426658
10°	2211744
15°	1727818
20°	1022958
25°	380293
30°	118836
35°	52820
40°	24538
45°	11582
50°	6371
55°	3527
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P280004

CATALOG NUMBER: LDA2B209035D010 EU2B20FL409035 2LBAD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.9	25.1
10°-20°	900.7	50.0
20°-30°	368.9	20.5
30°-40°	61.0	3.4
40°-50°	14.5	0.8
50°-60°	3.8	0.2
60°-70°	0.9	0.1
70°-80°	0.1	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°	1722.5	95.5
0°-40°	1783.6	98.9
0°-60°	1801.9	99.9
0°-90°	1802.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1802.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5025	
5°	4900	453
15°	3383	901
25°	699	369
35°	88	61
45°	17	14
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280004

CATALOG NUMBER: LDA2B209035D010 EU2B20FL409035 2LBAD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5024.9
1°	5007.5
2°	4984.3
3°	4963.6
4°	4936.3
5°	4899.9
6°	4846.1
7°	4775.7
8°	4675.6
9°	4553.9
10°	4414.9
11°	4253.5
12°	4071.4
13°	3863.6
14°	3632.7
15°	3382.8
17.5°	2682.5
20°	1948.4
22.5°	1247.3
25°	698.6
27.5°	368.3
30°	208.6
32.5°	132.4
35°	87.7
37.5°	57.9
40°	38.1
42.5°	24.8
45°	16.6
47.5°	11.6
50°	8.3
52.5°	5.8
55°	4.1
57.5°	2.5
60°	1.7
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280004

CATALOG NUMBER: LDA2B209035D010 EU2B20FL409035 2LBAD1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)