

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: P280038

Luminaire Tested: **LDA2B209050D010 EU2B20FL409050 2LBAD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280038  
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: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1891.6 lumens  
Efficiency: N/A  
Efficacy: 91.8 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

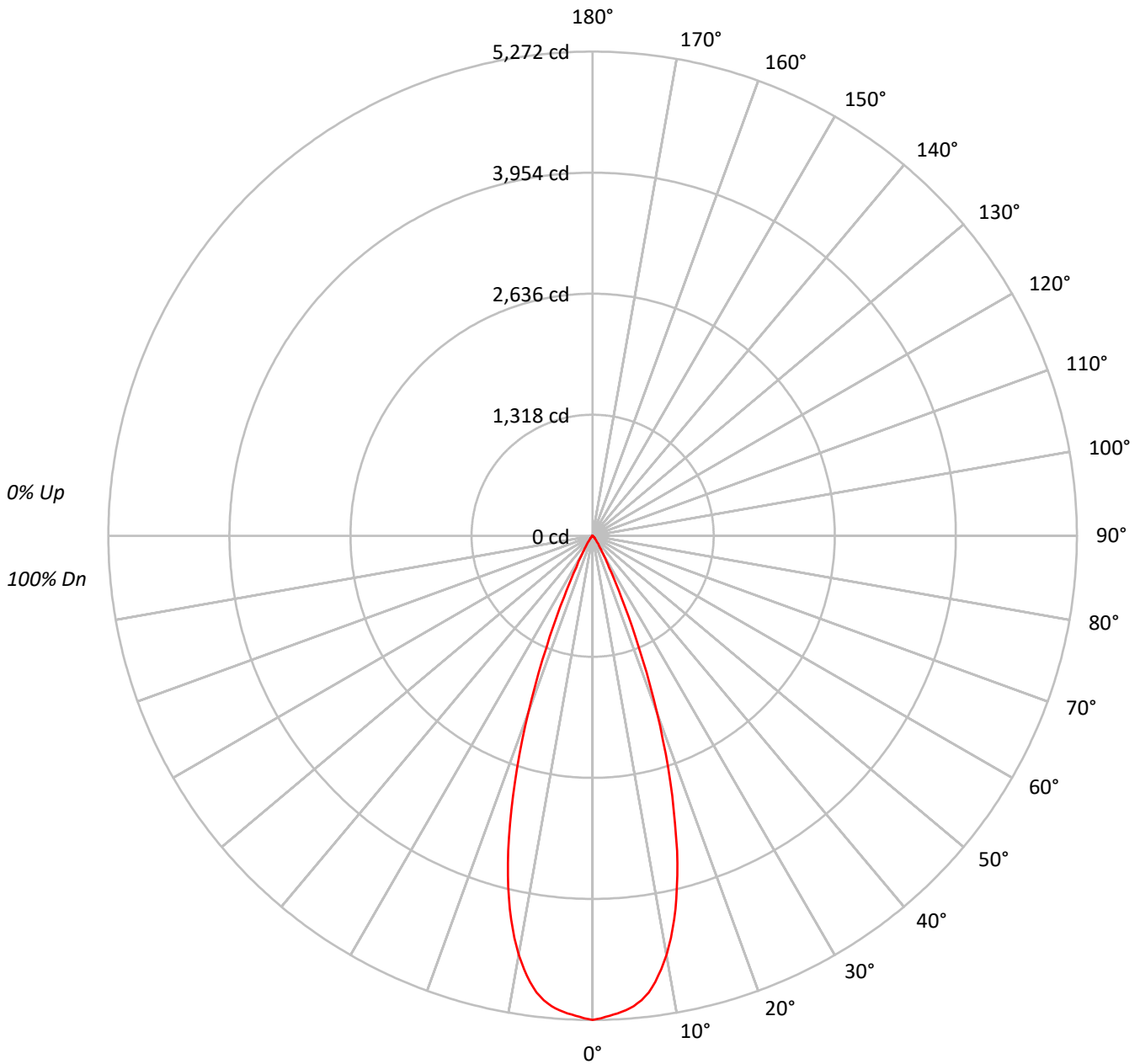
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280038

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P280038

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH

**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	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°	2601053
5°	2546061
10°	2320556
15°	1812810
20°	1073255
25°	398965
30°	124647
35°	55470
40°	25697
45°	12140
50°	6678
55°	3699
60°	1677
65°	1051
70°	1298
75°	0
80°	0
85°	0



TEST NUMBER: P280038

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.2	25.1
10°-20°	945.0	50.0
20°-30°	387.0	20.5
30°-40°	64.1	3.4
40°-50°	15.2	0.8
50°-60°	4.0	0.2
60°-70°	1.0	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°	1807.3	95.5
0°-40°	1871.3	98.9
0°-60°	1890.5	99.9
0°-90°	1891.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1891.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5272	
5°	5141	475
15°	3549	945
25°	733	387
35°	92	64
45°	17	15
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280038

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5272.1
1°	5253.9
2°	5229.6
3°	5207.8
4°	5179.2
5°	5141.0
6°	5084.5
7°	5010.7
8°	4905.6
9°	4778.0
10°	4632.1
11°	4462.8
12°	4271.7
13°	4053.7
14°	3811.4
15°	3549.2
17.5°	2814.5
20°	2044.2
22.5°	1308.7
25°	732.9
27.5°	386.4
30°	218.8
32.5°	138.9
35°	92.1
37.5°	60.8
40°	39.9
42.5°	26.1
45°	17.4
47.5°	12.2
50°	8.7
52.5°	6.1
55°	4.3
57.5°	2.6
60°	1.7
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280038

CATALOG NUMBER: LDA2B209050D010 EU2B20FL409050 2LBAD1WMH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)