

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: P279958

Luminaire Tested: **LDA2B209024D010 EU2B20FL409024 2LBAD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279958  
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: LDA2B209024D010 EU2B20FL409024 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: 1544.8 lumens  
Efficiency: N/A  
Efficacy: 75.0 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

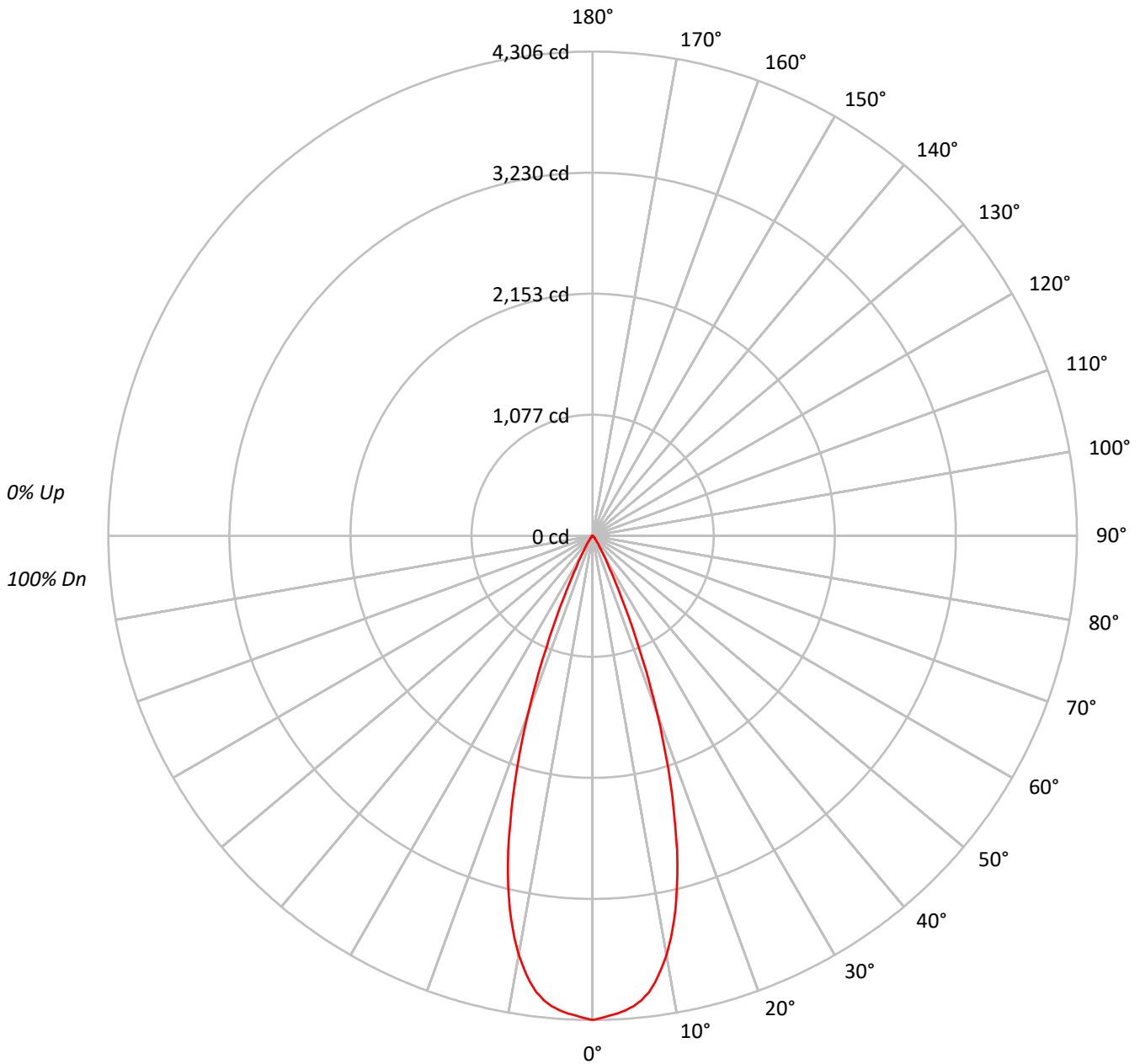
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279958

CATALOG NUMBER: LDA2B209024D010 EU2B20FL409024 2LBAD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P279958

CATALOG NUMBER: LDA2B209024D010 EU2B20FL409024 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	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°	2124219
5°	2079292
10°	1895130
15°	1480505
20°	876529
25°	325857
30°	101803
35°	45292
40°	20996
45°	9908
50°	5449
55°	3011
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P279958

CATALOG NUMBER: LDA2B209024D010 EU2B20FL409024 2LBAD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.1	25.1
10°-20°	771.8	50.0
20°-30°	316.1	20.5
30°-40°	52.3	3.4
40°-50°	12.4	0.8
50°-60°	3.3	0.2
60°-70°	0.8	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°	1476.0	95.5
0°-40°	1528.3	98.9
0°-60°	1544.0	99.9
0°-90°	1544.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1544.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4306	
5°	4198	388
15°	2899	772
25°	599	316
35°	75	52
45°	14	12
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279958

CATALOG NUMBER: LDA2B209024D010 EU2B20FL409024 2LBAD1WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4305.6
1°	4290.7
2°	4270.9
3°	4253.2
4°	4229.8
5°	4198.5
6°	4152.4
7°	4092.2
8°	4006.3
9°	3902.1
10°	3782.9
11°	3644.6
12°	3488.6
13°	3310.6
14°	3112.7
15°	2898.6
17.5°	2298.6
20°	1669.5
22.5°	1068.8
25°	598.6
27.5°	315.6
30°	178.7
32.5°	113.5
35°	75.2
37.5°	49.6
40°	32.6
42.5°	21.3
45°	14.2
47.5°	9.9
50°	7.1
52.5°	5.0
55°	3.5
57.5°	2.1
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279958

CATALOG NUMBER: LDA2B209024D010 EU2B20FL409024 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)