

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: P280867

Luminaire Tested: **LDA2B209027D010 EU2B20WFL559027 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280867  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1659.5 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

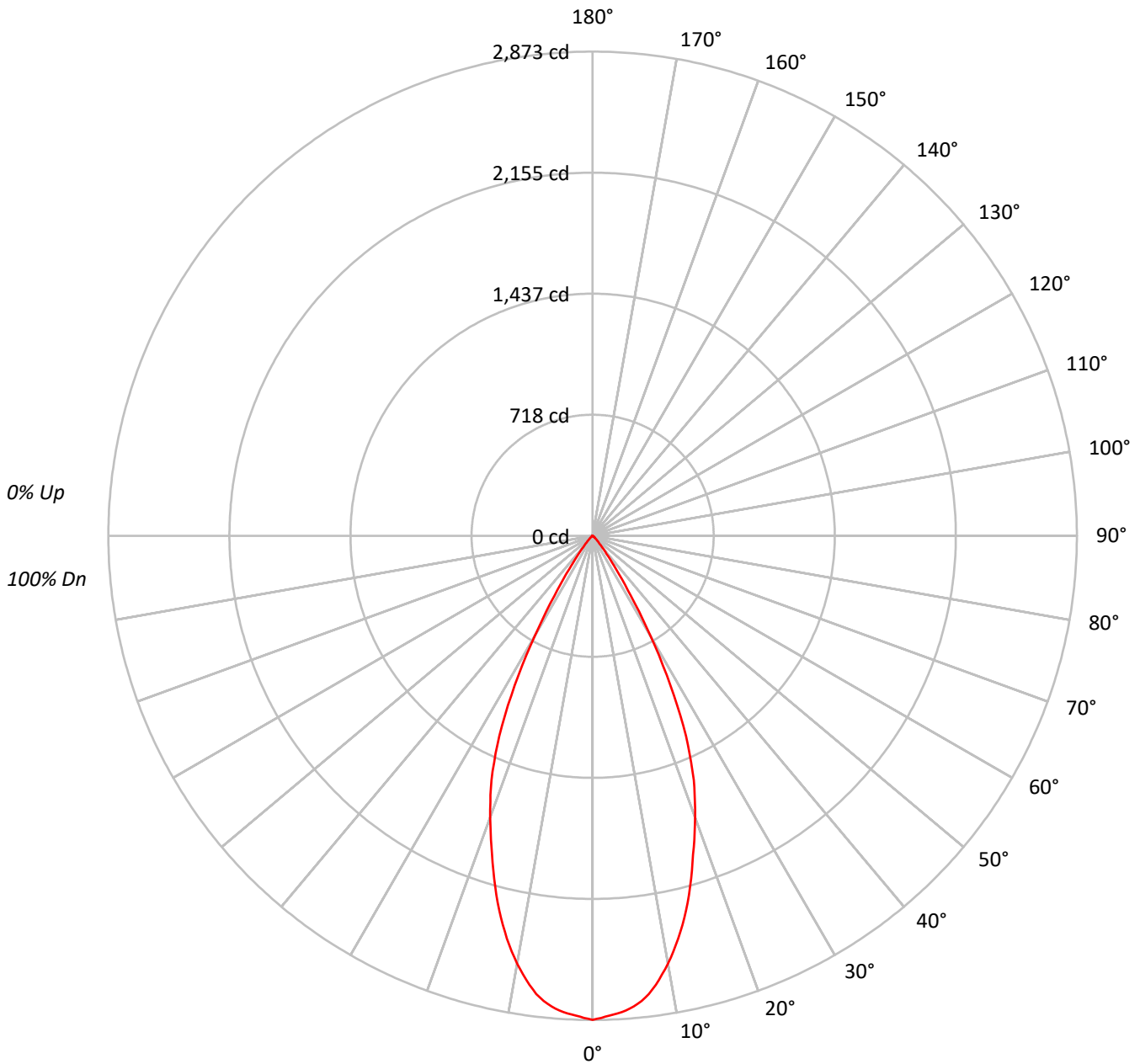
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280867

CATALOG NUMBER: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P280867

CATALOG NUMBER: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI

**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	100	100	100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95	95	95	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	80	80	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72	72	72	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62	62	62	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59	59	59	59

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

	0°
0°	1417231
5°	1388374
10°	1291057
15°	1127260
20°	933284
25°	713825
30°	390576
35°	144608
40°	50042
45°	22536
50°	10669
55°	5333
60°	1480
65°	934
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P280867

CATALOG NUMBER: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.5	15.7
10°-20°	610.0	36.8
20°-30°	576.6	34.7
30°-40°	177.5	10.7
40°-50°	28.0	1.7
50°-60°	5.9	0.4
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°	1447.0	87.2
0°-40°	1624.5	97.9
0°-60°	1658.5	99.9
0°-90°	1659.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1659.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2873	
5°	2803	260
15°	2207	610
25°	1311	577
35°	240	177
45°	32	28
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280867

CATALOG NUMBER: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2872.6
1°	2861.9
2°	2848.8
3°	2838.0
4°	2824.1
5°	2803.4
6°	2776.4
7°	2740.3
8°	2691.8
9°	2635.6
10°	2577.1
11°	2512.5
12°	2444.0
13°	2369.4
14°	2291.6
15°	2207.0
17.5°	1983.1
20°	1777.6
22.5°	1569.1
25°	1311.3
27.5°	1000.4
30°	685.6
32.5°	420.9
35°	240.1
37.5°	133.9
40°	77.7
42.5°	48.5
45°	32.3
47.5°	21.5
50°	13.9
52.5°	9.2
55°	6.2
57.5°	3.8
60°	1.5
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: P280867

CATALOG NUMBER: LDA2B209027D010 EU2B20WFL559027 2LBAD1LI

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)