

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: P279497

Luminaire Tested: **LDA2B108050D010 EU2B10FL408050 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279497  
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: LDA2B108050D010 EU2B10FL408050 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1199.7 lumens  
Efficiency: N/A  
Efficacy: 120.0 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

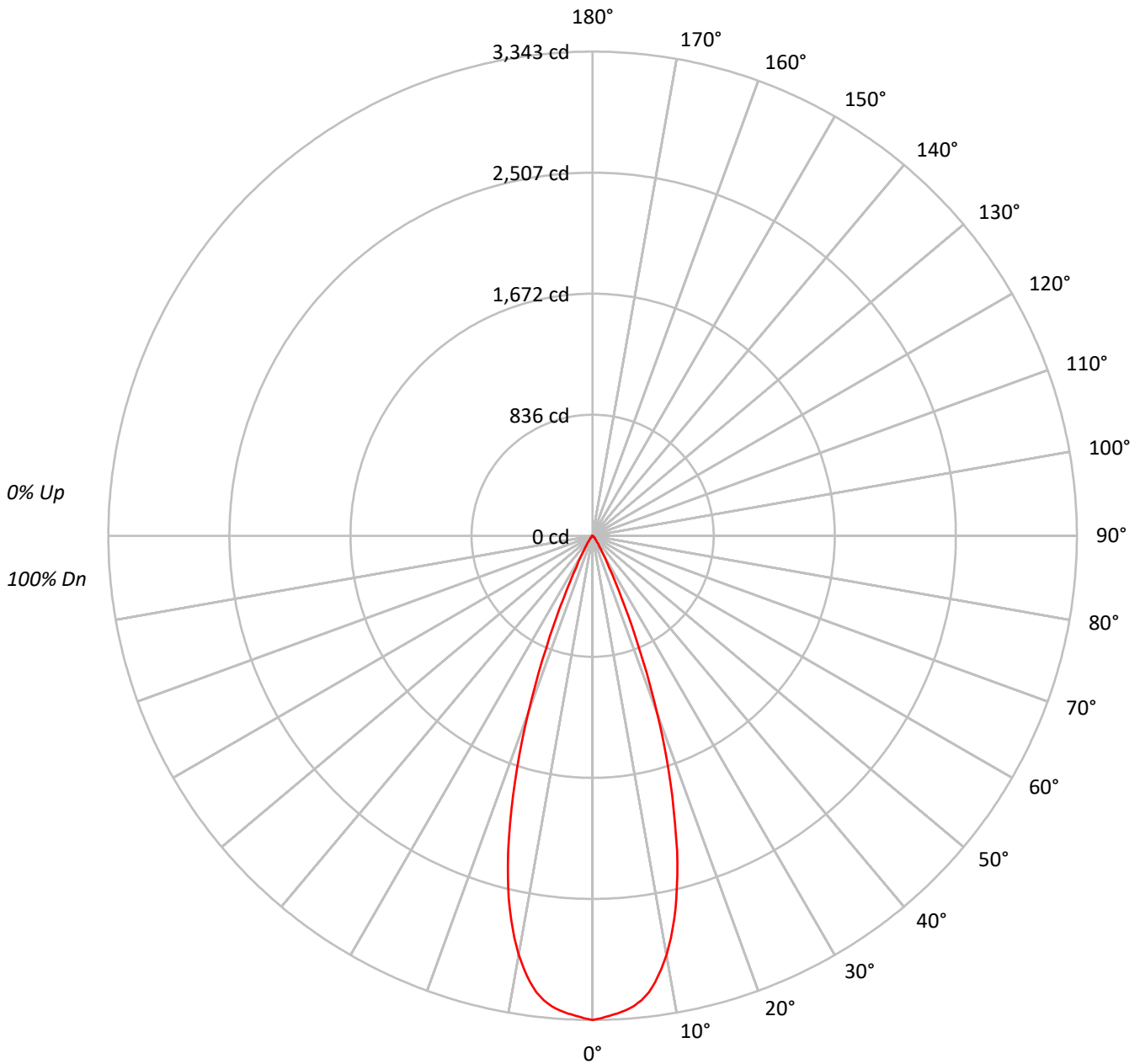
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279497

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBAD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P279497

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 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	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	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			89
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85			85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82			82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77			77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72			72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69			69

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

	0°
0°	1649506
5°	1614602
10°	1471607
15°	1149631
20°	680642
25°	253021
30°	79072
35°	35173
40°	16294
45°	7675
50°	4221
55°	2408
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P279497

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBAD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.4	25.1
10°-20°	599.3	50.0
20°-30°	245.4	20.5
30°-40°	40.6	3.4
40°-50°	9.6	0.8
50°-60°	2.6	0.2
60°-70°	0.7	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°	1146.1	95.5
0°-40°	1186.7	98.9
0°-60°	1198.9	99.9
0°-90°	1199.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3343	
5°	3260	301
15°	2251	599
25°	465	245
35°	58	41
45°	11	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279497

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBAD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3343.4
1°	3331.8
2°	3316.4
3°	3302.6
4°	3284.5
5°	3260.2
6°	3224.4
7°	3177.6
8°	3111.0
9°	3030.0
10°	2937.5
11°	2830.1
12°	2709.0
13°	2570.7
14°	2417.1
15°	2250.8
17.5°	1784.9
20°	1296.4
22.5°	829.9
25°	464.8
27.5°	245.1
30°	138.8
32.5°	88.1
35°	58.4
37.5°	38.5
40°	25.3
42.5°	16.5
45°	11.0
47.5°	7.7
50°	5.5
52.5°	3.9
55°	2.8
57.5°	1.7
60°	1.1
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279497

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 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)