

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: P280440

Luminaire Tested: **LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280440  
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: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 936.2 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

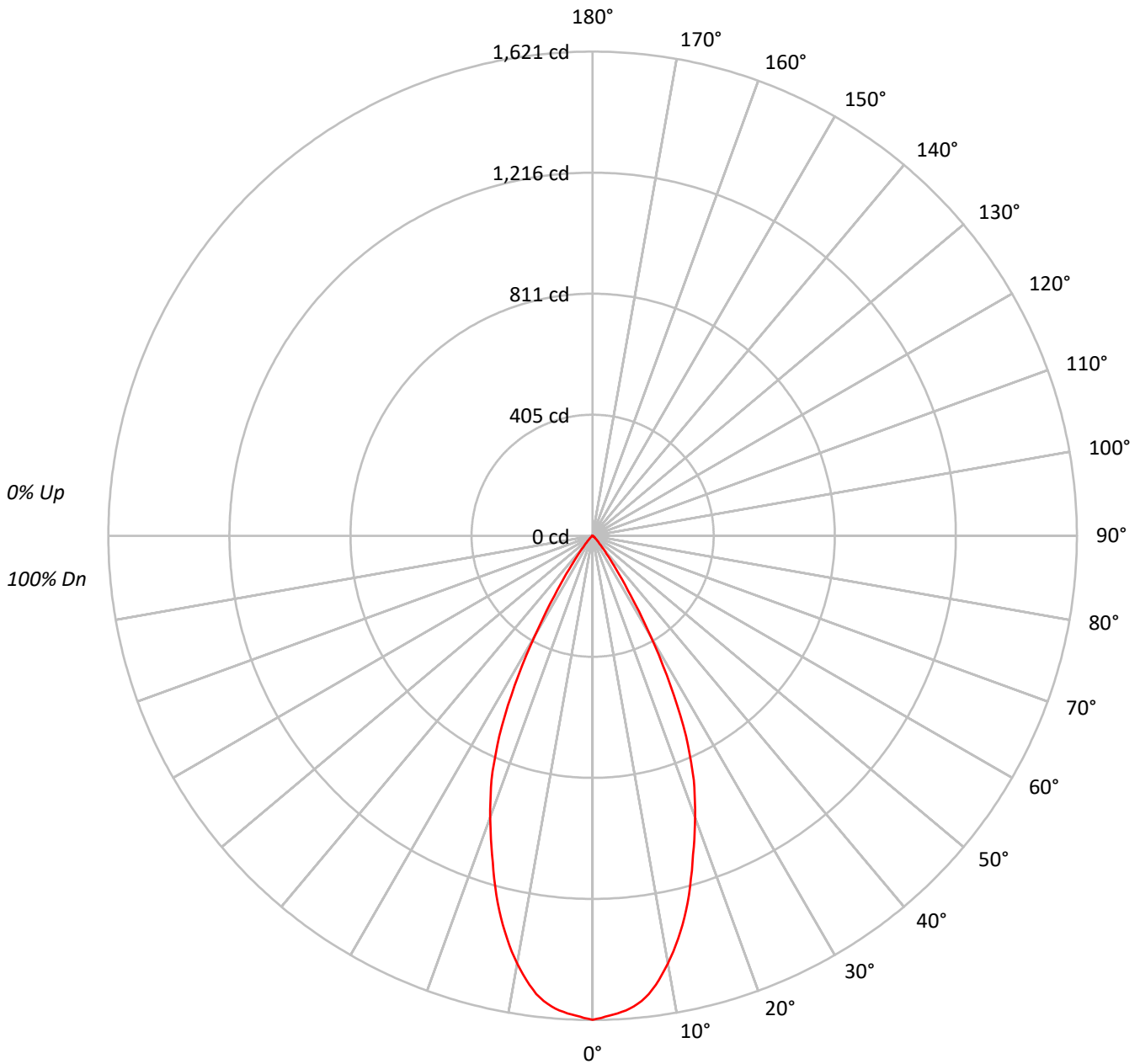
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280440

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P280440

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH

**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°	799542
5°	783282
10°	728364
15°	635954
20°	526547
25°	402721
30°	220354
35°	81609
40°	28209
45°	12698
50°	5987
55°	3011
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P280440

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.0	15.7
10°-20°	344.1	36.8
20°-30°	325.3	34.7
30°-40°	100.1	10.7
40°-50°	15.8	1.7
50°-60°	3.4	0.4
60°-70°	0.5	0.0
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°	816.4	87.2
0°-40°	916.5	97.9
0°-60°	935.7	99.9
0°-90°	936.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1621	
5°	1582	147
15°	1245	344
25°	740	325
35°	136	100
45°	18	16
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280440

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1620.6
1°	1614.6
2°	1607.2
3°	1601.1
4°	1593.3
5°	1581.6
6°	1566.4
7°	1546.0
8°	1518.6
9°	1486.9
10°	1453.9
11°	1417.5
12°	1378.8
13°	1336.7
14°	1292.9
15°	1245.1
17.5°	1118.8
20°	1002.9
22.5°	885.2
25°	739.8
27.5°	564.4
30°	386.8
32.5°	237.5
35°	135.5
37.5°	75.5
40°	43.8
42.5°	27.4
45°	18.2
47.5°	12.2
50°	7.8
52.5°	5.2
55°	3.5
57.5°	2.2
60°	0.9
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280440

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBAD1WHH

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)