

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: P280449

Luminaire Tested: **LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280449  
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 2LBALD1GPH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 913.4 lumens  
Efficiency: N/A  
Efficacy: 91.3 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

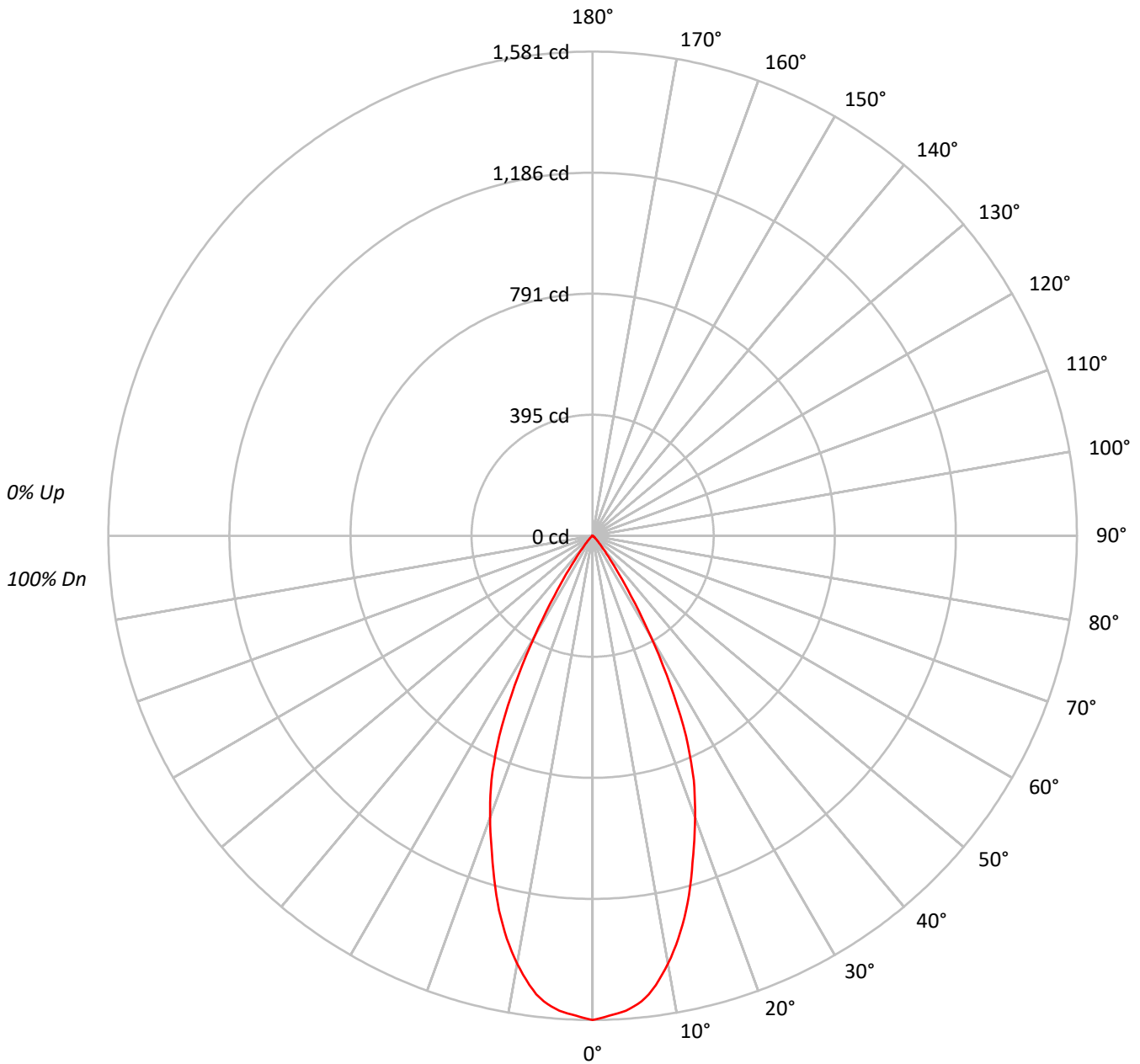
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280449

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P280449

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95																			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90																			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85																			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80																			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76																			
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72																			
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69																			
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65																			
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62																			
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59																			

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

	0°
0°	780104
5°	764215
10°	710630
15°	620478
20°	513737
25°	392922
30°	214999
35°	79622
40°	27565
45°	12419
50°	5833
55°	2925
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P280449

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.4	15.7
10°-20°	335.8	36.8
20°-30°	317.4	34.7
30°-40°	97.7	10.7
40°-50°	15.4	1.7
50°-60°	3.3	0.4
60°-70°	0.4	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°	796.5	87.2
0°-40°	894.2	97.9
0°-60°	912.9	99.9
0°-90°	913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1581	
5°	1543	143
15°	1215	336
25°	722	317
35°	132	98
45°	18	15
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280449

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1581.2
1°	1575.3
2°	1568.1
3°	1562.1
4°	1554.5
5°	1543.1
6°	1528.3
7°	1508.3
8°	1481.7
9°	1450.7
10°	1418.5
11°	1383.0
12°	1345.3
13°	1304.2
14°	1261.4
15°	1214.8
17.5°	1091.5
20°	978.5
22.5°	863.7
25°	721.8
27.5°	550.6
30°	377.4
32.5°	231.7
35°	132.2
37.5°	73.7
40°	42.8
42.5°	26.7
45°	17.8
47.5°	11.9
50°	7.6
52.5°	5.1
55°	3.4
57.5°	2.1
60°	0.8
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: P280449

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALD1GPH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)