

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: P280106

Luminaire Tested: **LDA2B058027D010 EU2B05WFL558027 2LBALD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280106  
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: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, H  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 821.2 lumens  
Efficiency: N/A  
Efficacy: 117.3 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

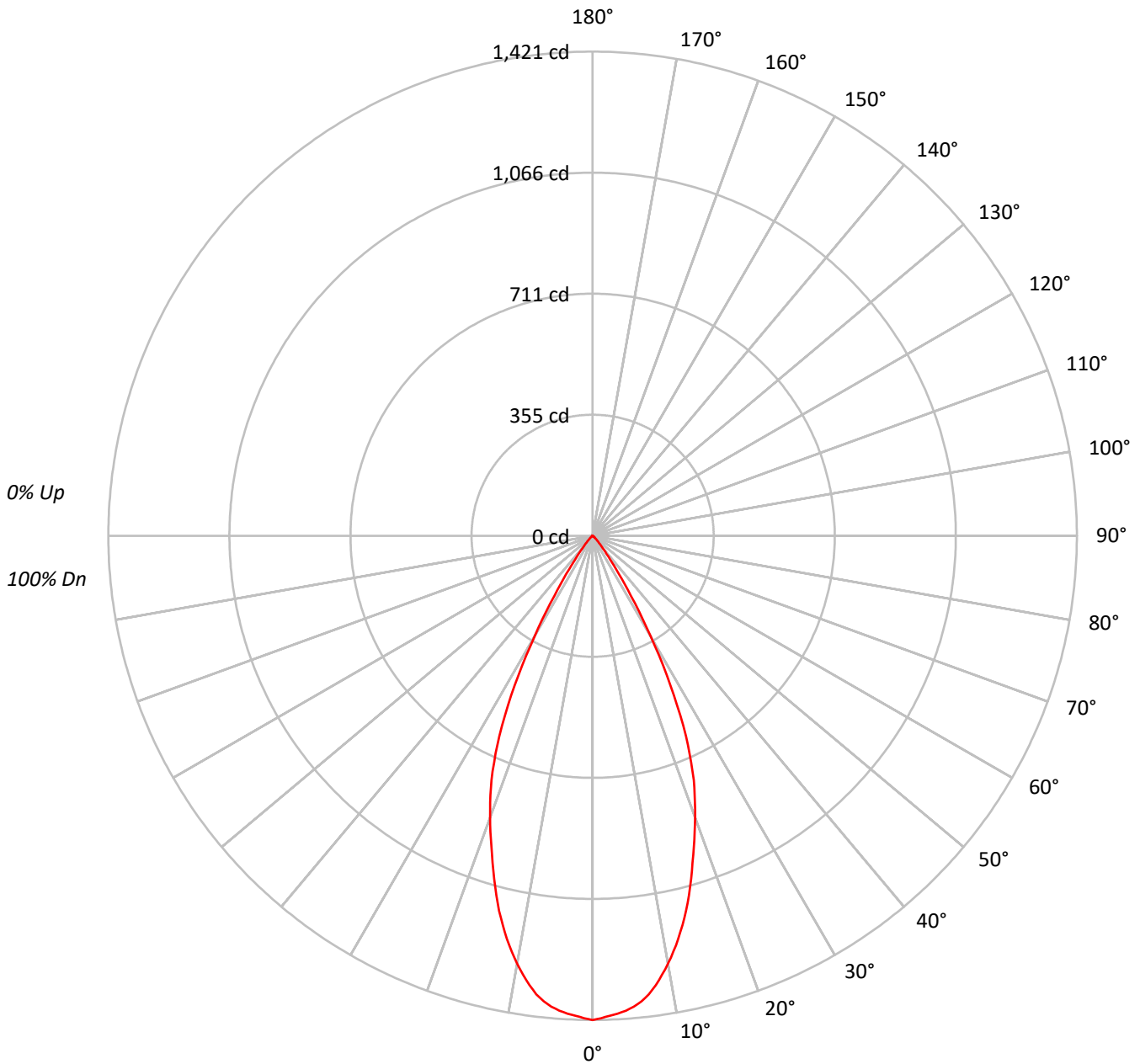
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280106

CATALOG NUMBER: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P280106

CATALOG NUMBER: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI

**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°	701264
5°	687006
10°	638840
15°	557807
20°	461812
25°	353184
30°	193294
35°	71551
40°	24795
45°	11164
50°	5296
55°	2580
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P280106

CATALOG NUMBER: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	15.7
10°-20°	301.8	36.8
20°-30°	285.3	34.7
30°-40°	87.8	10.7
40°-50°	13.9	1.7
50°-60°	2.9	0.4
60°-70°	0.4	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°	716.0	87.2
0°-40°	803.9	97.9
0°-60°	820.7	99.9
0°-90°	821.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1421	
5°	1387	129
15°	1092	302
25°	649	285
35°	119	88
45°	16	14
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280106

CATALOG NUMBER: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1421.4
1°	1416.1
2°	1409.6
3°	1404.3
4°	1397.5
5°	1387.2
6°	1373.8
7°	1355.9
8°	1332.0
9°	1304.2
10°	1275.2
11°	1243.2
12°	1209.3
13°	1172.4
14°	1134.0
15°	1092.1
17.5°	981.3
20°	879.6
22.5°	776.4
25°	648.8
27.5°	495.0
30°	339.3
32.5°	208.3
35°	118.8
37.5°	66.3
40°	38.5
42.5°	24.0
45°	16.0
47.5°	10.7
50°	6.9
52.5°	4.6
55°	3.0
57.5°	1.9
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: P280106

CATALOG NUMBER: LDA2B058027D010 EU2B05WFL558027 2LBALD1LI

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)