

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: P264776

Luminaire Tested: **LD2B15D010 EU2B1510SP158040 2LBDL\*B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264776  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B1510SP158040 2LBDL\*B  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1328.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

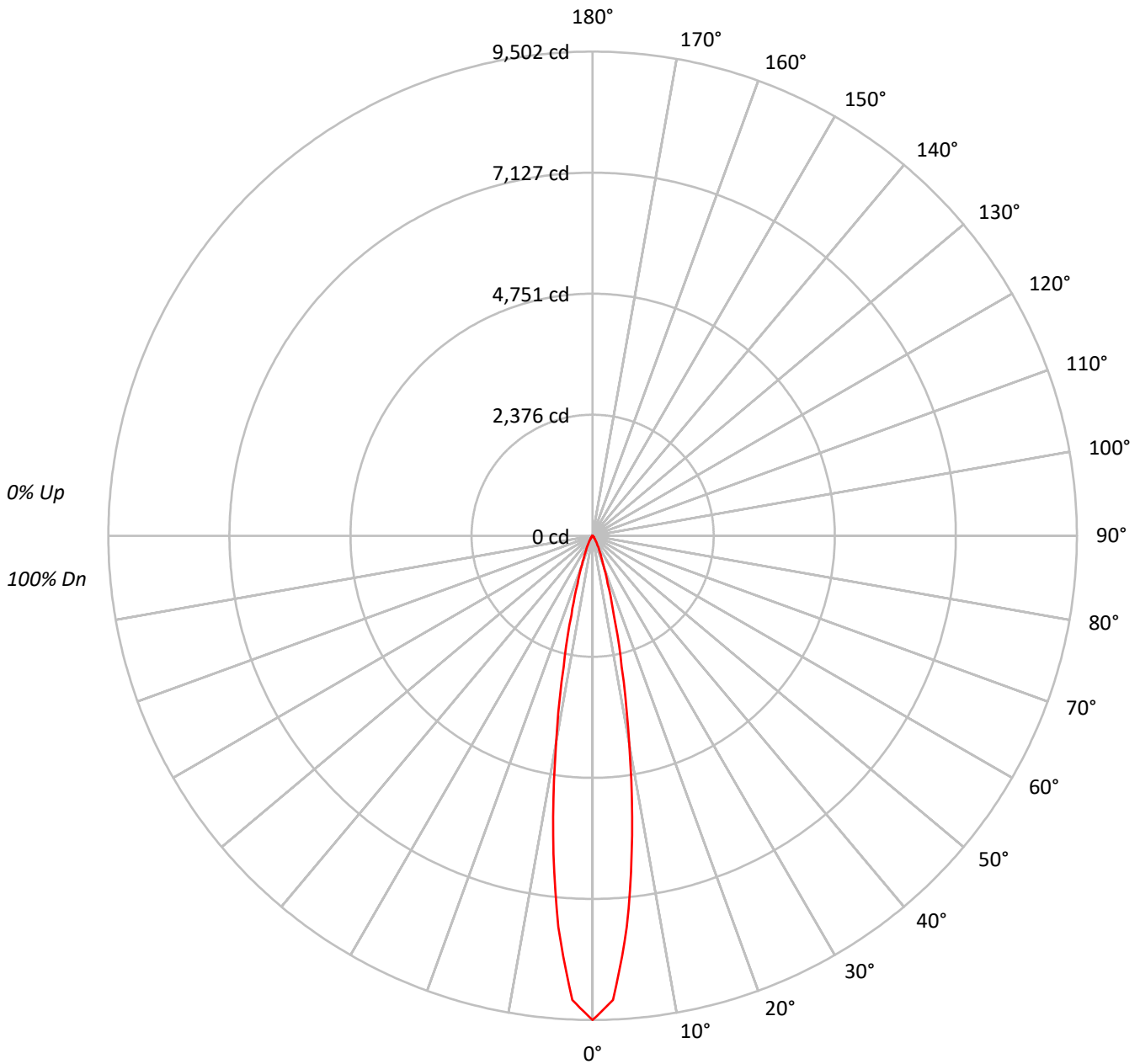
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P264776

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL\*B

### Luminous Intensity Polar Plot





TEST NUMBER: P264776

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL\*B

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

RF	20									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	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	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97											97																	
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94											94																	
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92											92																	
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89											89																	
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87											87																	
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85											85																	
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83											83																	
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81											81																	
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79											79																	
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78											78																	

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

	0°
0°	4688121
5°	3815675
10°	2061102
15°	821822
20°	329505
25°	157811
30°	81807
35°	43244
40°	23958
45°	14861
50°	10208
55°	6881
60°	5230
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264776

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL\*B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	619.6	46.7
10°-20°	488.9	36.8
20°-30°	144.2	10.9
30°-40°	48.0	3.6
40°-50°	18.0	1.4
50°-60°	8.0	0.6
60°-70°	1.3	0.1
70°-80°	0.0	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°	1252.7	94.3
0°-40°	1300.7	97.9
0°-60°	1326.7	99.9
0°-90°	1328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9502	
5°	7705	620
15°	1609	489
25°	290	144
35°	72	48
45°	21	18
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264776

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL\*B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9502.4
2.5°	9119.4
5°	7704.6
7.5°	5936.0
10°	4114.2
12.5°	2632.9
15°	1609.0
17.5°	981.4
20°	627.6
22.5°	420.2
25°	289.9
27.5°	204.8
30°	143.6
32.5°	101.1
35°	71.8
37.5°	50.5
40°	37.2
42.5°	29.3
45°	21.3
47.5°	18.6
50°	13.3
52.5°	10.6
55°	8.0
57.5°	8.0
60°	5.3
62.5°	2.7
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)