

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: P264876

Luminaire Tested: **LD2B15D010 EU2B1510SP159024 2LBDL\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264876  
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 EU2B1510SP159024 2LBDL\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 930.0 lumens  
Efficiency: N/A  
Efficacy: 65.0 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

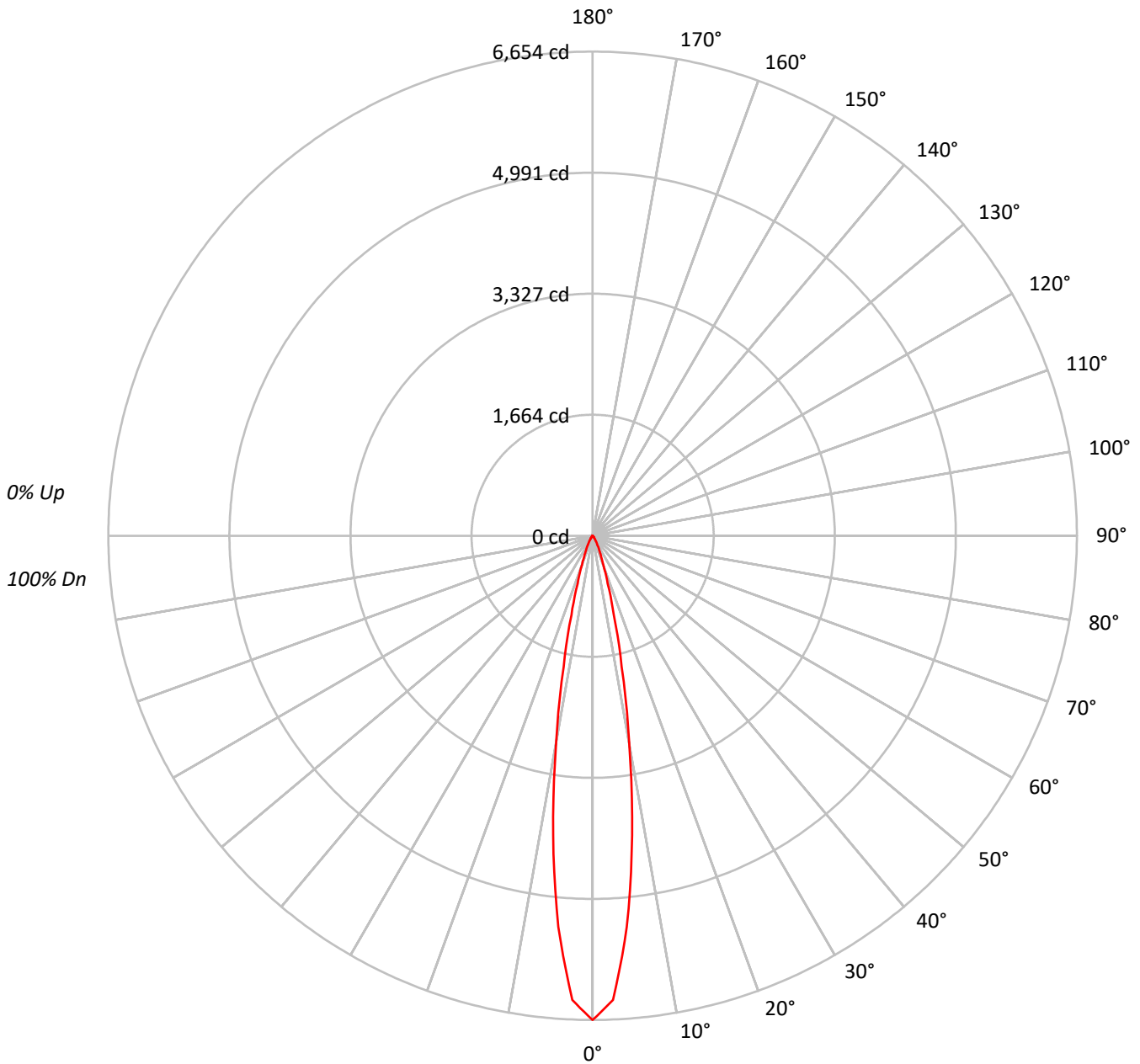
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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°	3283076
5°	2672102
10°	1443403
15°	575531
20°	230748
25°	110506
30°	57310
35°	30295
40°	16809
45°	10396
50°	7138
55°	4817
60°	3651
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.9	46.7
10°-20°	342.3	36.8
20°-30°	101.0	10.9
30°-40°	33.6	3.6
40°-50°	12.6	1.4
50°-60°	5.6	0.6
60°-70°	0.9	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°	877.2	94.3
0°-40°	910.9	97.9
0°-60°	929.1	99.9
0°-90°	930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6654	
5°	5396	434
15°	1127	342
25°	203	101
35°	50	34
45°	15	13
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6654.5
2.5°	6386.3
5°	5395.5
7.5°	4157.0
10°	2881.2
12.5°	1843.8
15°	1126.8
17.5°	687.2
20°	439.5
22.5°	294.3
25°	203.0
27.5°	143.4
30°	100.6
32.5°	70.8
35°	50.3
37.5°	35.4
40°	26.1
42.5°	20.5
45°	14.9
47.5°	13.0
50°	9.3
52.5°	7.4
55°	5.6
57.5°	5.6
60°	3.7
62.5°	1.9
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



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— 0°-180°







(END OF REPORT)