

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: P#

Luminaire Tested: **LD2B10D010 EU2B1010SP159727 2LBPIN**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14823)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B1010SP159727 2LBPIN  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
SPOT OPTIC  
ROUND PINHOLE BLACK OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

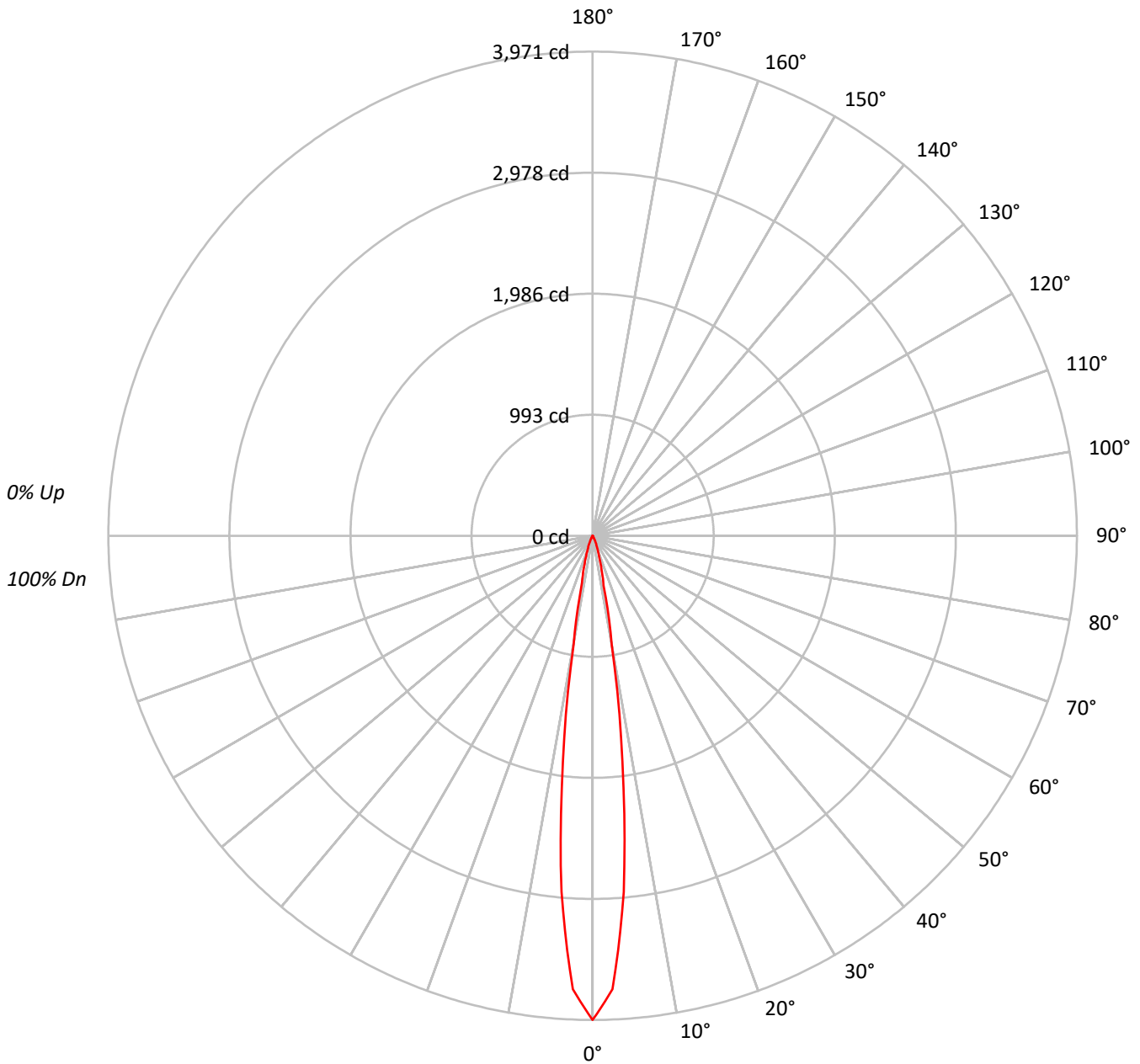
Lumens per Lamp: N/A  
Luminaire Lumens: 335.4 lumens  
Efficiency: N/A  
Efficacy: 32.6 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
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: P#  
CATALOG NUMBER: LD2B10D010 EU2B1010SP159727 2LBPIN

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010SP159727 2LBPIN

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	95
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91
6	103	98	95	93	102	98	95	92	97	94	92	95	93	91	94	92	91	90
7	101	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	85

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

	0°
0°	1538705
5°	1140758
10°	354707
15°	113005
20°	49235
25°	21847
30°	8054
35°	3926
40°	2681
45°	1644
50°	904
55°	1013
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010SP159727 2LBPIN

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.1	63.2
10°-20°	88.6	26.4
20°-30°	25.3	7.6
30°-40°	5.7	1.7
40°-50°	2.4	0.7
50°-60°	1.1	0.3
60°-70°	0.1	0.0
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°	326.1	97.2
0°-40°	331.8	98.9
0°-60°	335.3	100.0
0°-90°	335.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	335.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3971	
5°	2933	212
15°	282	89
25°	51	25
35°	8	6
45°	3	2
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010SP159727 2LBPIN

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3971.0
2.5°	3723.1
5°	2932.8
7.5°	1869.8
10°	901.5
12.5°	419.2
15°	281.7
17.5°	175.0
20°	119.4
22.5°	81.1
25°	51.1
27.5°	30.0
30°	18.0
32.5°	11.3
35°	8.3
37.5°	6.0
40°	5.3
42.5°	3.8
45°	3.0
47.5°	2.3
50°	1.5
52.5°	1.5
55°	1.5
57.5°	0.8
60°	0.8
62.5°	0.0
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)