

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: **LD2B15D010 EU2B1510NFL259030 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 (P14816)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510NFL259030 2LBPIN
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
ROUND PINHOLE BLACK OCULUS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 873.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

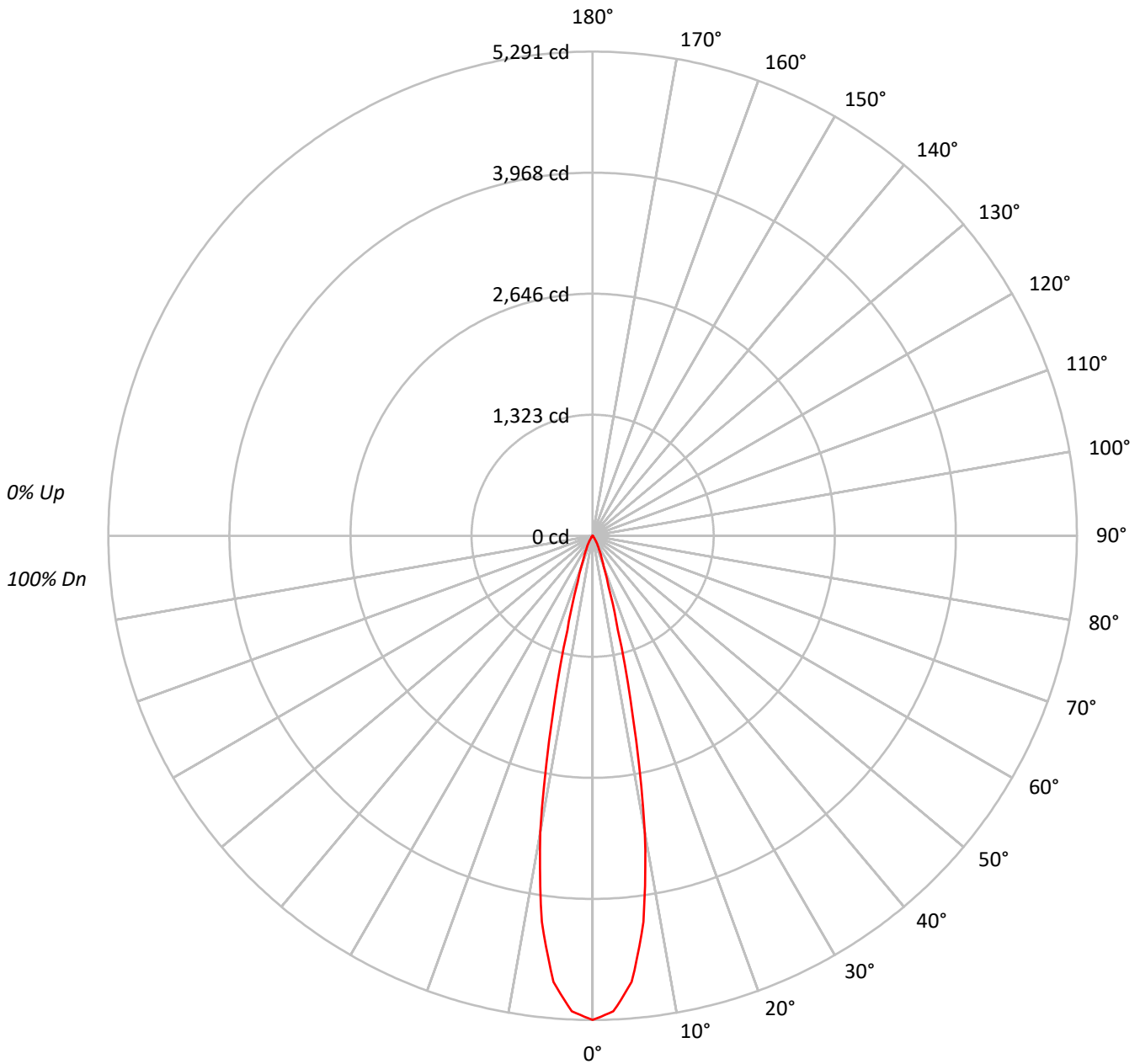
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									
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	0																			
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																												
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	96	95	95	93	92	90	88	86																			
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	95	94	93	92	90	89	88	86	85	83	81																			
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	90	89	88	86	85	83	81	79																			
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90	89	88	86	85	83	81	79	77	75																			
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	86	85	83	81	79	77	75	73	71																			
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	84	83	81	79	77	75	73	71	69																			
7	99	93	89	87	98	93	89	87	92	88	86	91	88	86	90	87	85	84	82	81	79	77	75	73	71	69	67																			
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	82	81	79	77	75	73	71	69	67	65																			
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	80	79	77	75	73	71	69	67	65	63																			
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	78	77	75	73	71	69	67	65	63	61																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2050030
5°	1903714
10°	1293903
15°	428072
20°	145396
25°	73666
30°	38032
35°	12488
40°	4654
45°	2521
50°	663
55°	743
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.8	47.6
10°-20°	347.4	39.8
20°-30°	84.0	9.6
30°-40°	21.7	2.5
40°-50°	3.6	0.4
50°-60°	0.6	0.1
60°-70°	0.0	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°	847.1	97.0
0°-40°	868.8	99.5
0°-60°	873.0	100.0
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5291	
5°	4894	416
15°	1067	347
25°	172	84
35°	26	22
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5290.6
2.5°	5202.1
5°	4894.3
7.5°	4256.8
10°	3288.5
12.5°	2034.2
15°	1067.1
17.5°	576.6
20°	352.6
22.5°	243.5
25°	172.3
27.5°	121.8
30°	85.0
32.5°	59.7
35°	26.4
37.5°	11.5
40°	9.2
42.5°	6.9
45°	4.6
47.5°	2.3
50°	1.1
52.5°	1.1
55°	1.1
57.5°	0.0
60°	0.0
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



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— 0°-180°







(END OF REPORT)