

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: P222329

Luminaire Tested: **LD2B15D010 EU2B15NFL259727 2LBDSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15NFL259727 2LBDSQC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 899.7 lumens
Efficiency: N/A
Efficacy: 62.9 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

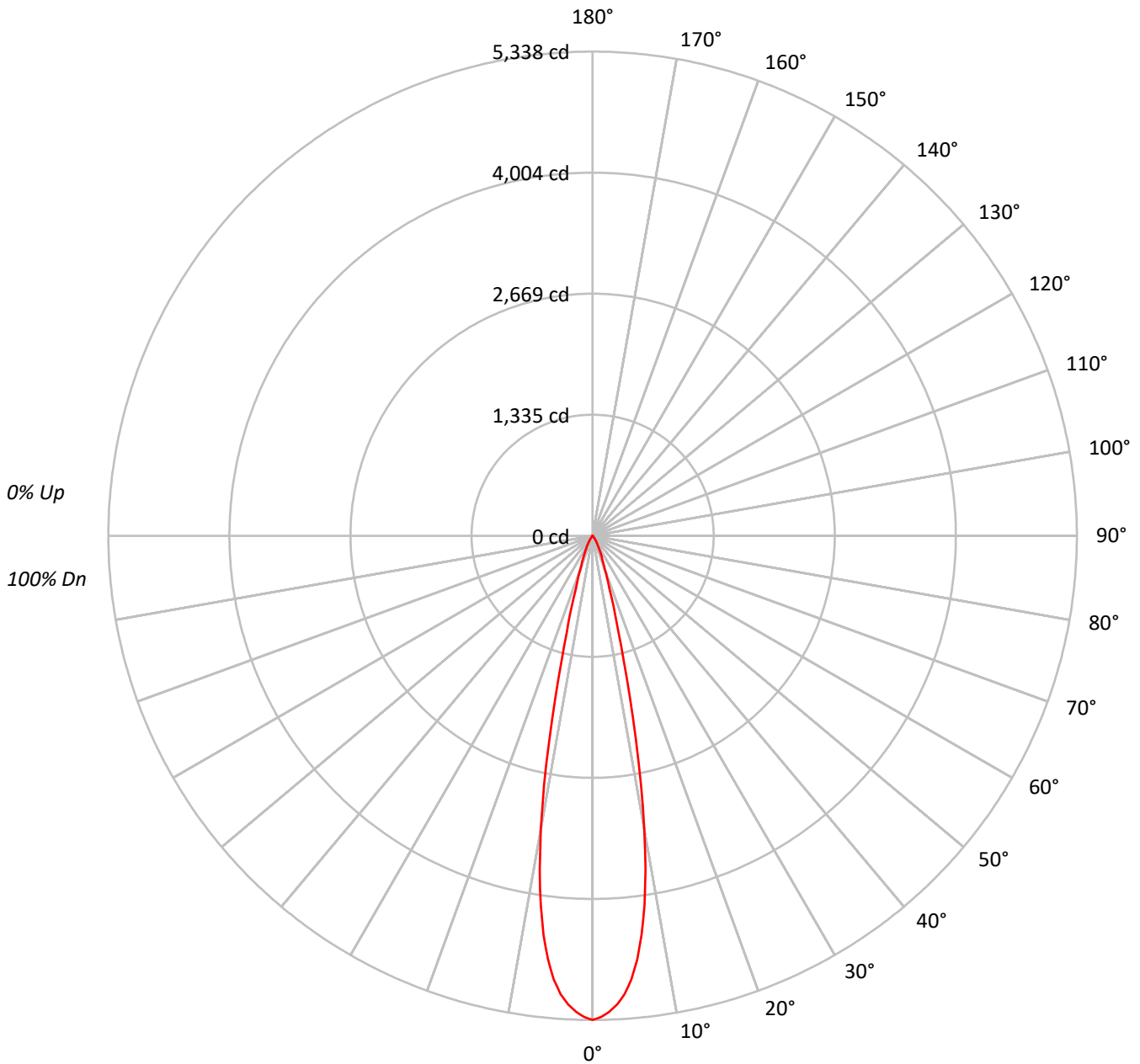
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2067498
5°	1908939
10°	1292100
15°	439587
20°	161461
25°	85606
30°	44011
35°	20522
40°	6725
45°	3396
50°	1627
55°	608
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.6	46.4
10°-20°	351.1	39.0
20°-30°	96.4	10.7
30°-40°	28.1	3.1
40°-50°	5.2	0.6
50°-60°	1.2	0.1
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°	865.1	96.2
0°-40°	893.2	99.3
0°-60°	899.6	100.0
0°-90°	899.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5338	
5°	4910	418
15°	1096	351
25°	200	96
35°	43	28
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5337.6
1°	5306.6
2°	5251.6
3°	5172.7
4°	5064.6
5°	4909.5
6°	4697.7
7°	4432.8
8°	4109.3
9°	3727.4
10°	3285.1
11°	2800.4
12°	2296.1
13°	1814.9
14°	1404.6
15°	1096.2
17.5°	618.6
20°	391.7
22.5°	279.2
25°	200.3
27.5°	141.8
30°	98.4
32.5°	69.1
35°	43.4
37.5°	17.7
40°	13.3
42.5°	9.7
45°	6.2
47.5°	3.5
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)