

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: P224250

Luminaire Tested: **LD2B15D010 EU2B15FL409027 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL409027 2LBDSQLC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.0 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

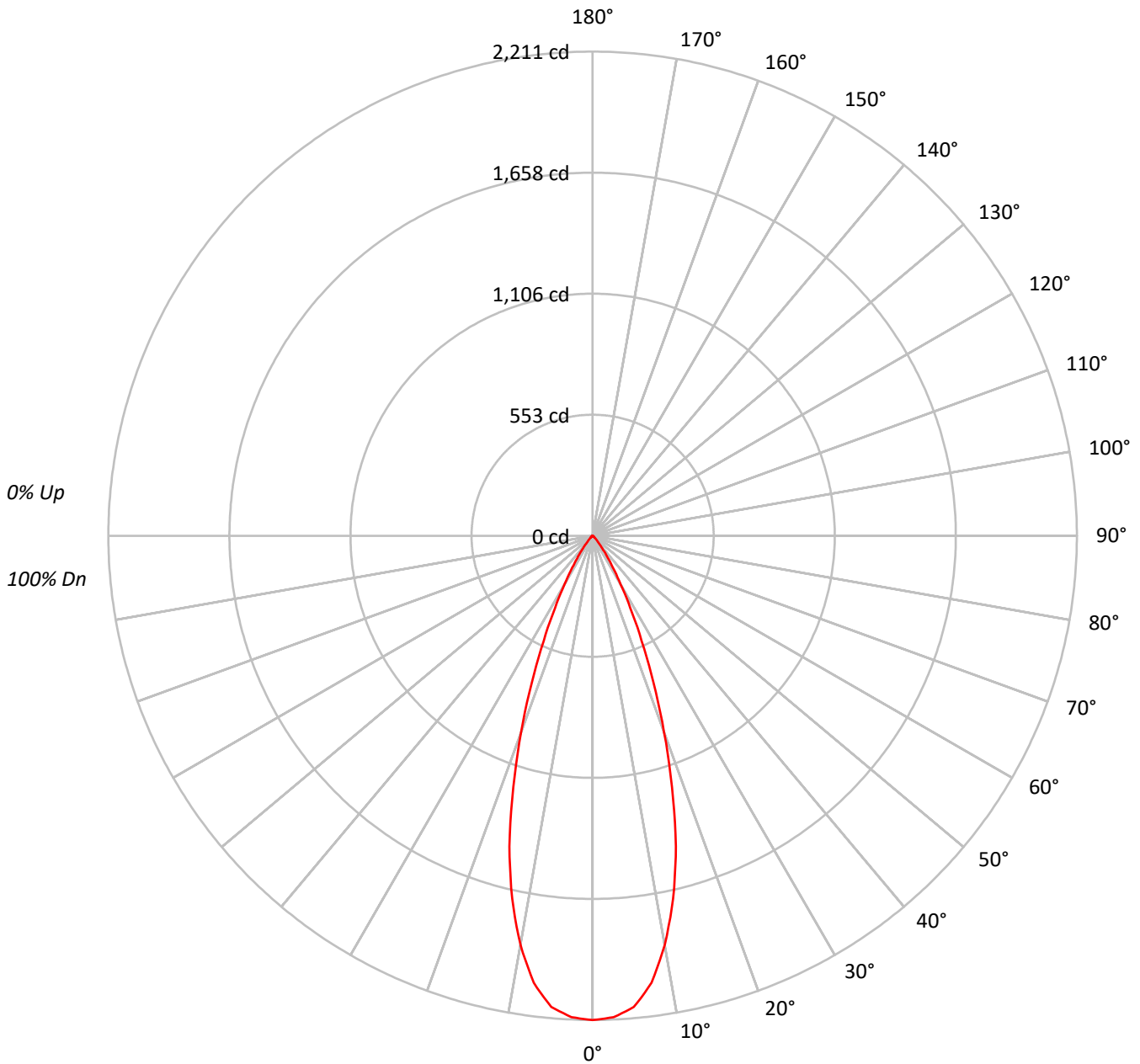
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91				91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87				87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83				83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	83	80	79				79
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	76				76
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72				72
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69				69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67				67
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64				64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	856577
5°	840097
10°	746249
15°	588923
20°	392790
25°	226089
30°	114501
35°	53670
40°	21996
45°	9915
50°	5122
55°	3242
60°	1859
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.8	21.0
10°-20°	396.9	42.2
20°-30°	248.6	26.4
30°-40°	76.9	8.2
40°-50°	15.9	1.7
50°-60°	4.4	0.5
60°-70°	0.6	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°	843.2	89.6
0°-40°	920.1	97.8
0°-60°	940.4	99.9
0°-90°	941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2211	
5°	2161	198
15°	1469	397
25°	529	249
35°	114	77
45°	18	16
55°	5	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2211.4
2.5°	2200.5
5°	2160.6
7.5°	2059.2
10°	1897.3
12.5°	1698.1
15°	1468.6
17.5°	1204.1
20°	952.9
22.5°	724.6
25°	529.0
27.5°	372.0
30°	256.0
32.5°	171.5
35°	113.5
37.5°	71.3
40°	43.5
42.5°	27.8
45°	18.1
47.5°	12.1
50°	8.5
52.5°	6.0
55°	4.8
57.5°	3.6
60°	2.4
62.5°	1.2
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)