

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: P223246

Luminaire Tested: **LD2B15D010 EU2B15NFL258035 2LBDSQC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223246
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 EU2B15NFL258035 2LBDSQC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1325.3 lumens
Efficiency: N/A
Efficacy: 92.7 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

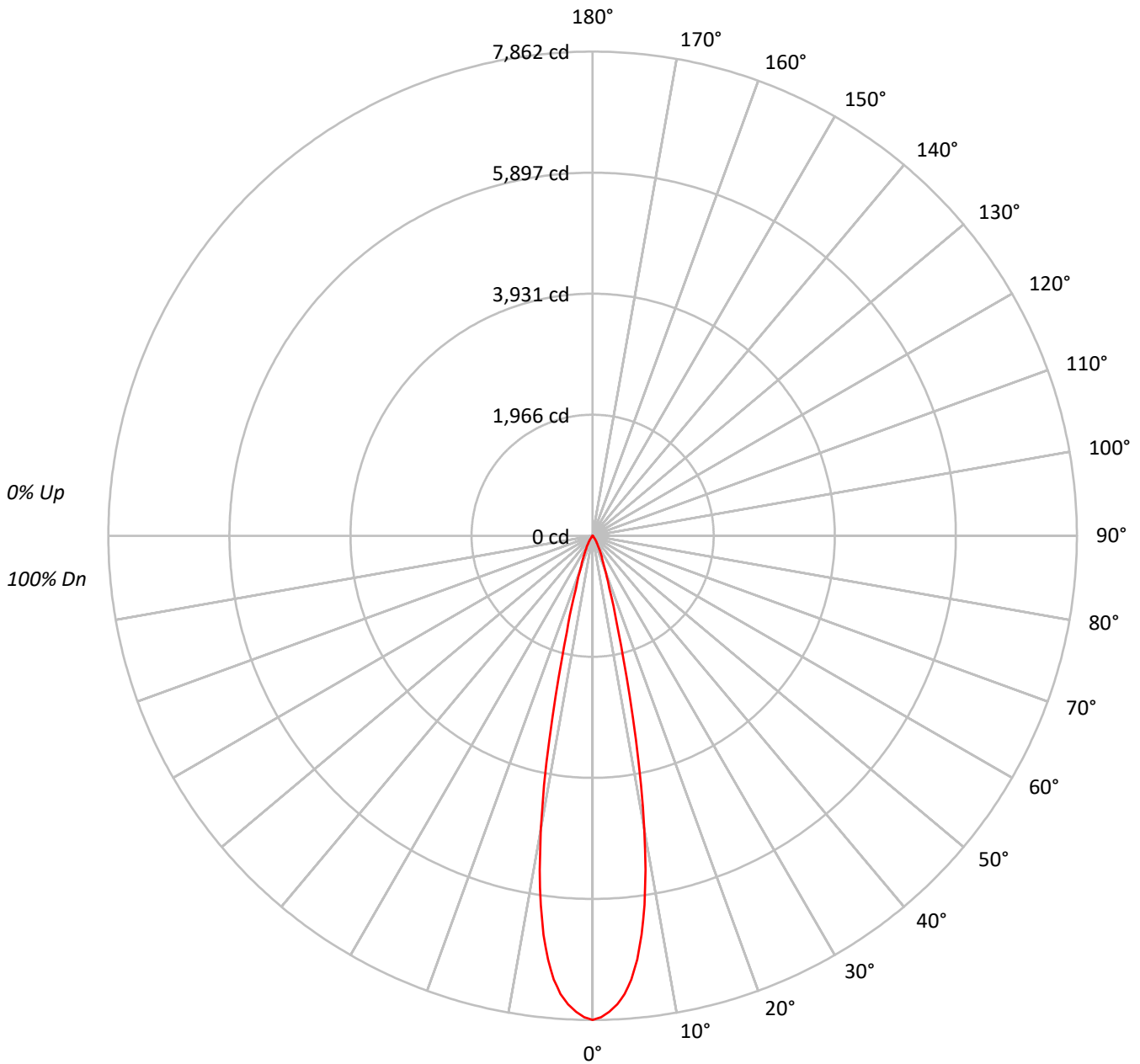
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P223246

CATALOG NUMBER: LD2B15D010 EU2B15NFL258035 2LBDSQC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P223246

CATALOG NUMBER: LD2B15D010 EU2B15NFL258035 2LBDSQC*MW

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	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97	97
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95	95	95	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92	92	92	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	90	90	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88	88	88	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86	86	86	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84	84	84	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82	82	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80	80	80	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79	79	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3045508
5°	2811987
10°	1903361
15°	647551
20°	237842
25°	126080
30°	64809
35°	30263
40°	9911
45°	4985
50°	2350
55°	878
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223246

CATALOG NUMBER: LD2B15D010 EU2B15NFL258035 2LBDSQC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.2	46.4
10°-20°	517.2	39.0
20°-30°	141.9	10.7
30°-40°	41.4	3.1
40°-50°	7.7	0.6
50°-60°	1.7	0.1
60°-70°	0.2	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°	1274.4	96.2
0°-40°	1315.8	99.3
0°-60°	1325.1	100.0
0°-90°	1325.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7862	
5°	7232	615
15°	1615	517
25°	295	142
35°	64	41
45°	9	8
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223246

CATALOG NUMBER: LD2B15D010 EU2B15NFL258035 2LBDSQC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7862.5
1°	7816.8
2°	7735.9
3°	7619.7
4°	7460.4
5°	7232.0
6°	6920.0
7°	6529.7
8°	6053.2
9°	5490.6
10°	4839.2
11°	4125.1
12°	3382.3
13°	2673.5
14°	2069.1
15°	1614.8
17.5°	911.2
20°	577.0
22.5°	411.2
25°	295.0
27.5°	208.9
30°	144.9
32.5°	101.8
35°	64.0
37.5°	26.1
40°	19.6
42.5°	14.4
45°	9.1
47.5°	5.2
50°	3.9
52.5°	2.6
55°	1.3
57.5°	1.3
60°	1.3
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



TEST NUMBER: P223246

CATALOG NUMBER: LD2B15D010 EU2B15NFL258035 2LBDSQC*MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)