

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: P224693

Luminaire Tested: **LD2B15D010 EU2B15FL408027 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL408027 2LBDLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1253.4 lumens
Efficiency: N/A
Efficacy: 87.7 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

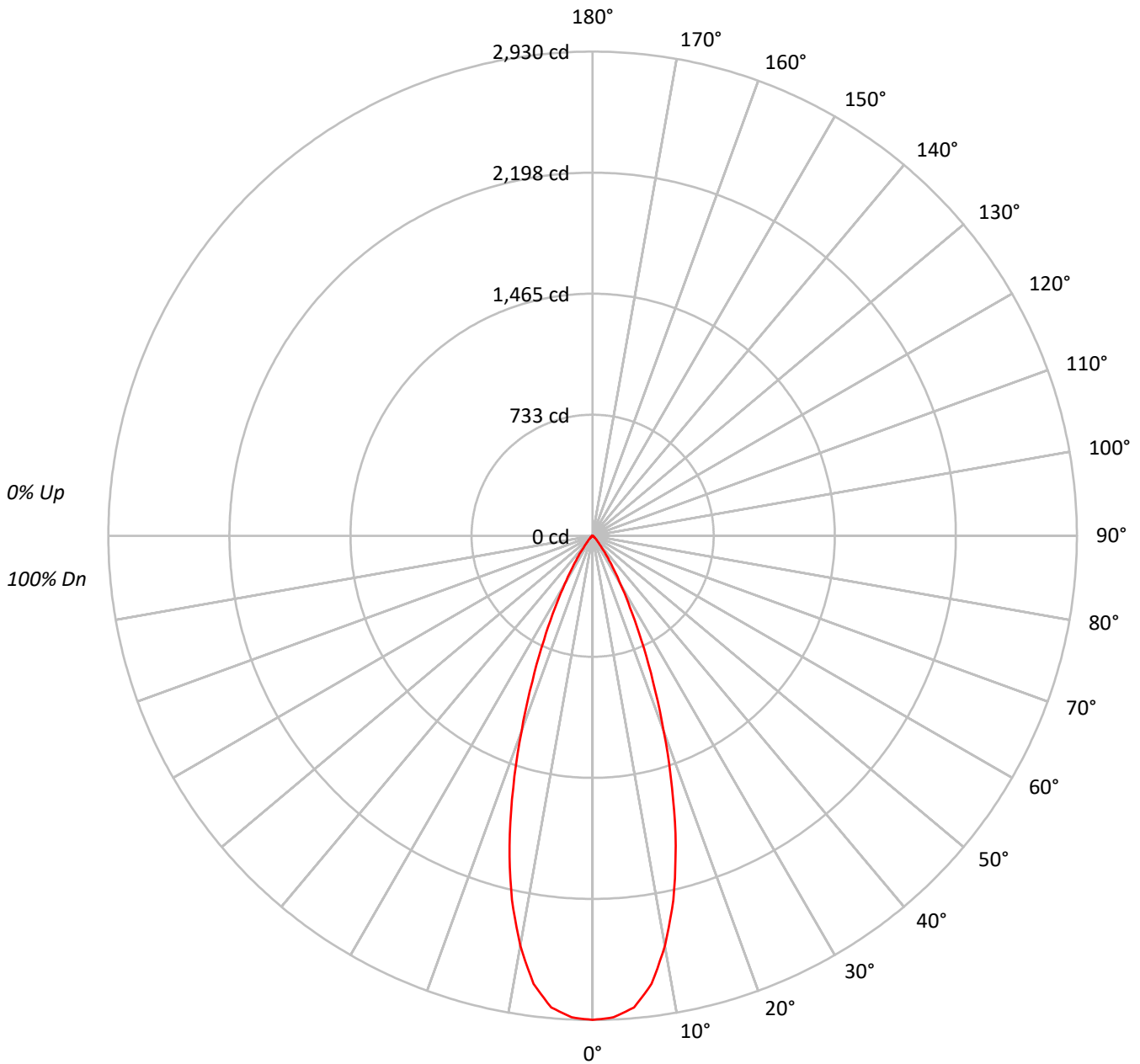
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224693

CATALOG NUMBER: LD2B15D010 EU2B15FL408027 2LBDLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P224693

CATALOG NUMBER: LD2B15D010 EU2B15FL408027 2LBDLC*MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			91																
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86			86																
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82			82																
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79			79																
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75			75																
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72			72																
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69			69																
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66			66																
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64			64																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1134808
5°	1114141
10°	990423
15°	778922
20°	518307
25°	297548
30°	150327
35°	70693
40°	28468
45°	14078
50°	7774
55°	5403
60°	4958
65°	2933
70°	3624
75°	2395
80°	3569
85°	0



TEST NUMBER: P224693

CATALOG NUMBER: LD2B15D010 EU2B15FL408027 2LBDLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	20.9
10°-20°	526.2	42.0
20°-30°	327.3	26.1
30°-40°	100.6	8.0
40°-50°	22.1	1.8
50°-60°	7.9	0.6
60°-70°	3.9	0.3
70°-80°	2.3	0.2
80°-90°	0.7	0.1
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°	1115.9	89.0
0°-40°	1216.5	97.1
0°-60°	1246.5	99.4
0°-90°	1253.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1253.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2930	
5°	2865	262
15°	1942	526
25°	696	327
35°	150	101
45°	26	22
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P224693

CATALOG NUMBER: LD2B15D010 EU2B15FL408027 2LBDLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2929.7
2.5°	2916.8
5°	2865.4
7.5°	2735.1
10°	2518.1
12.5°	2257.6
15°	1942.4
17.5°	1598.3
20°	1257.4
22.5°	953.5
25°	696.2
27.5°	490.4
30°	336.1
32.5°	226.7
35°	149.5
37.5°	90.0
40°	56.3
42.5°	38.6
45°	25.7
47.5°	17.7
50°	12.9
52.5°	11.3
55°	8.0
57.5°	6.4
60°	6.4
62.5°	4.8
65°	3.2
67.5°	3.2
70°	3.2
72.5°	3.2
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)