

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: P225004

Luminaire Tested: **LD2B15D010 EU2B15FL408030 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL408030 2LBDL*LI
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1302.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

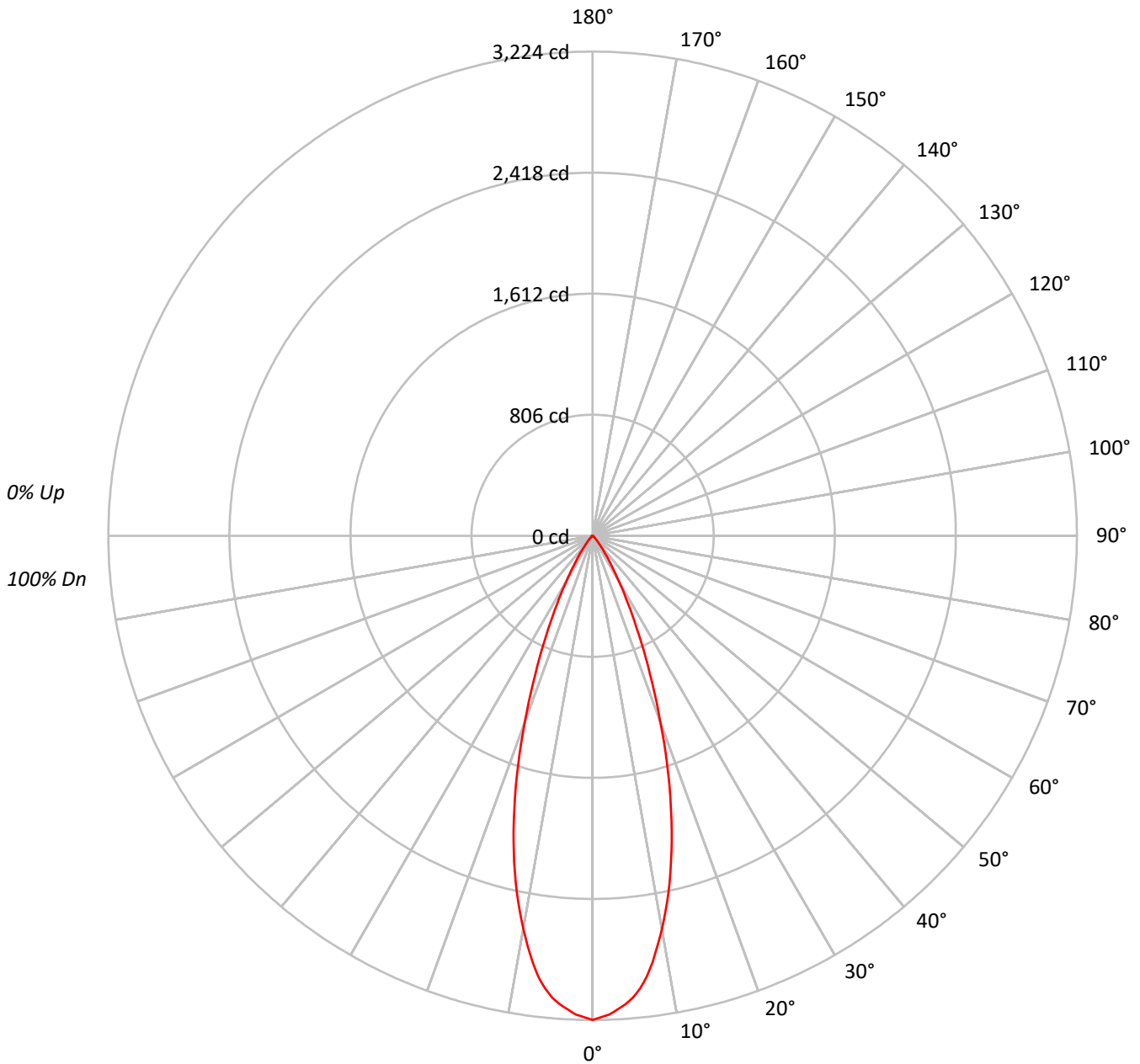
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225004

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P225004

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDL*LI

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	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96			
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91			
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87			
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83			
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79			
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	79	77	76			
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73			
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70			
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67			
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1248958
5°	1200227
10°	1044780
15°	815855
20°	542585
25°	310712
30°	154442
35°	70977
40°	28468
45°	13037
50°	6026
55°	3377
60°	1937
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225004

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.9	21.6
10°-20°	551.7	42.4
20°-30°	341.4	26.2
30°-40°	102.2	7.8
40°-50°	20.5	1.6
50°-60°	5.0	0.4
60°-70°	0.3	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°	1174.1	90.2
0°-40°	1276.2	98.0
0°-60°	1301.7	100.0
0°-90°	1302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3224	
5°	3087	281
15°	2034	552
25°	727	341
35°	150	102
45°	24	20
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225004

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3224.4
1°	3206.9
2°	3190.6
3°	3158.1
4°	3128.0
5°	3086.8
6°	3030.5
7°	2959.1
8°	2867.8
9°	2763.9
10°	2656.3
11°	2545.0
12°	2426.1
13°	2302.2
14°	2169.6
15°	2034.5
17.5°	1677.9
20°	1316.3
22.5°	996.0
25°	727.0
27.5°	510.5
30°	345.3
32.5°	227.7
35°	150.1
37.5°	93.8
40°	56.3
42.5°	36.3
45°	23.8
47.5°	15.0
50°	10.0
52.5°	7.5
55°	5.0
57.5°	3.8
60°	2.5
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: P225004

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDL*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)