

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: P225306

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225306
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 EU2B15FL409027 2LBDC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1070.3 lumens
Efficiency: N/A
Efficacy: 74.8 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

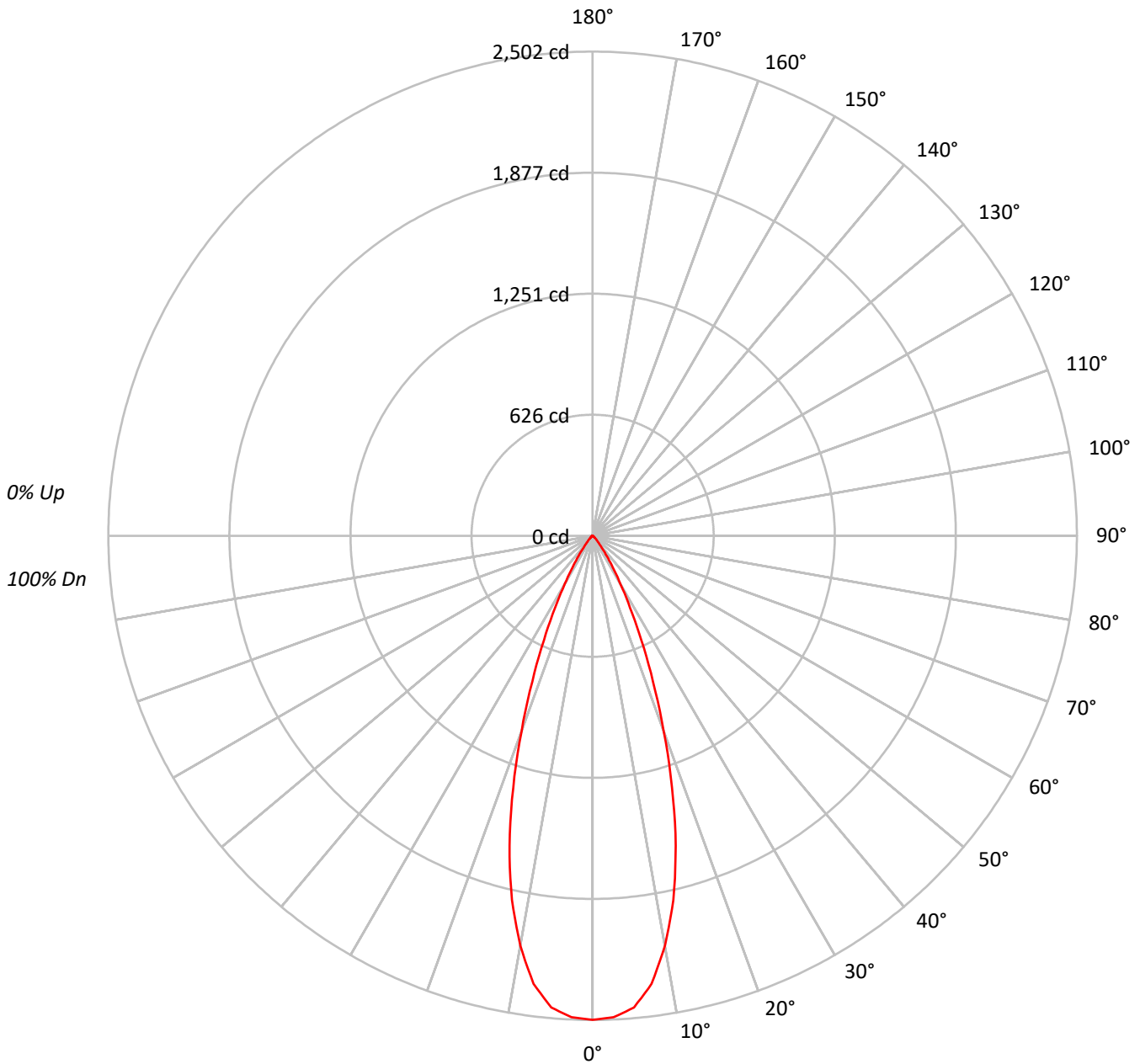
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225306

CATALOG NUMBER: LD2B15D010 EU2B15FL409027 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P225306

CATALOG NUMBER: LD2B15D010 EU2B15FL409027 2LBDC*MMS

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	104	103	102	101	100	99	98	97	95			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79			
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75			
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72			
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69			
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66			
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	968946
5°	951301
10°	845641
15°	665075
20°	442543
25°	254083
30°	128321
35°	60384
40°	24321
45°	12051
50°	6629
55°	4660
60°	4261
65°	2475
70°	3058
75°	2095
80°	3123
85°	0



TEST NUMBER: P225306

CATALOG NUMBER: LD2B15D010 EU2B15FL409027 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.1	20.9
10°-20°	449.3	42.0
20°-30°	279.5	26.1
30°-40°	85.9	8.0
40°-50°	18.9	1.8
50°-60°	6.7	0.6
60°-70°	3.4	0.3
70°-80°	2.0	0.2
80°-90°	0.6	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°	952.8	89.0
0°-40°	1038.8	97.1
0°-60°	1064.4	99.4
0°-90°	1070.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2502	
5°	2447	224
15°	1658	449
25°	594	280
35°	128	86
45°	22	19
55°	7	7
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P225306

CATALOG NUMBER: LD2B15D010 EU2B15FL409027 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2501.5
2.5°	2490.5
5°	2446.6
7.5°	2335.4
10°	2150.0
12.5°	1927.6
15°	1658.5
17.5°	1364.7
20°	1073.6
22.5°	814.2
25°	594.5
27.5°	418.8
30°	286.9
32.5°	193.6
35°	127.7
37.5°	76.9
40°	48.1
42.5°	33.0
45°	22.0
47.5°	15.1
50°	11.0
52.5°	9.6
55°	6.9
57.5°	5.5
60°	5.5
62.5°	4.1
65°	2.7
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)