

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: P224251

Luminaire Tested: **LD2B15D010 EU2B15FL409030 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224251
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 EU2B15FL409030 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: 980.5 lumens
Efficiency: N/A
Efficacy: 68.6 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

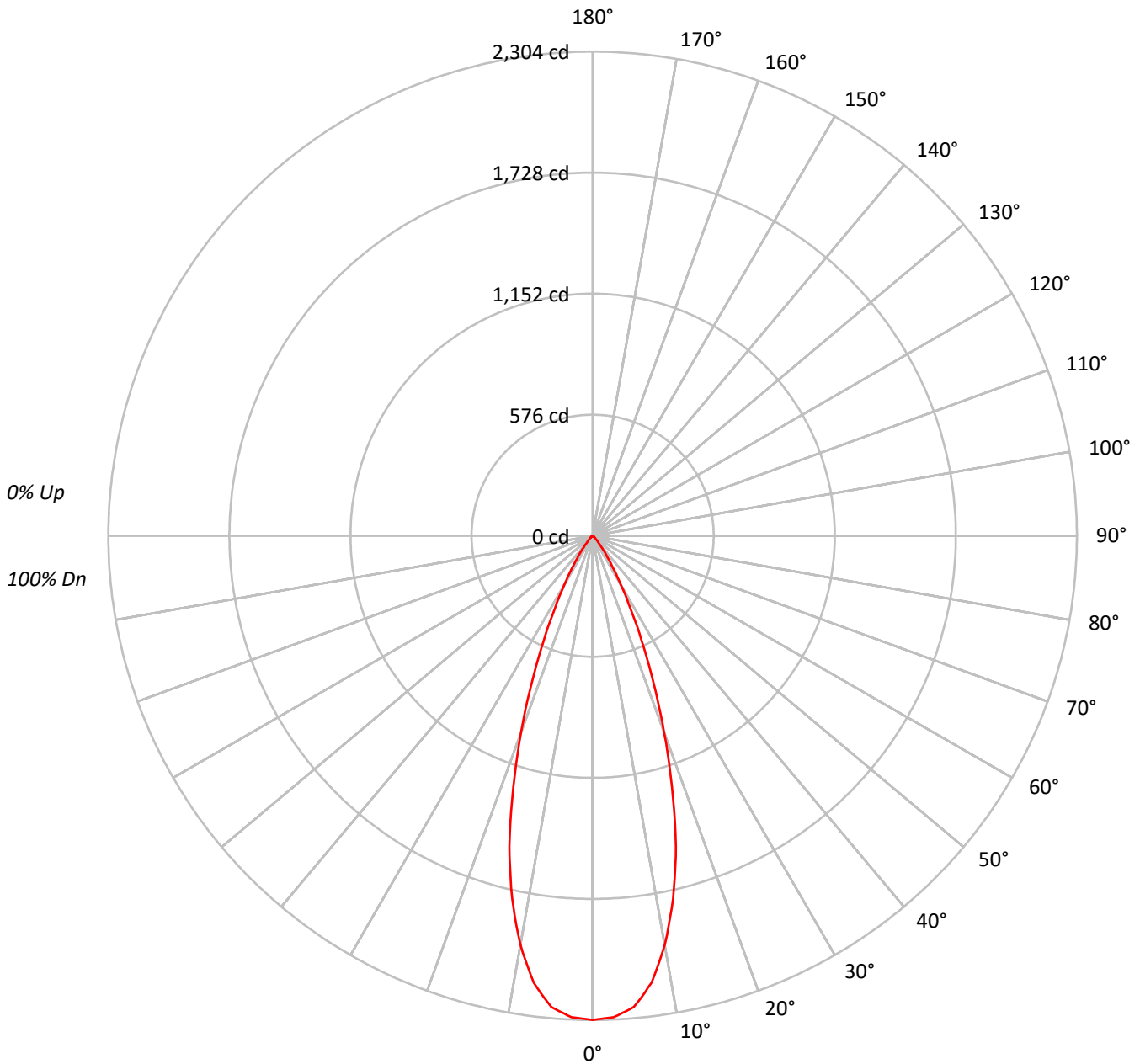
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224251

CATALOG NUMBER: LD2B15D010 EU2B15FL409030 2LBDSQLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224251

CATALOG NUMBER: LD2B15D010 EU2B15FL409030 2LBDSQLC*MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	892523
5°	875363
10°	777596
15°	613626
20°	409278
25°	235577
30°	119331
35°	55940
40°	22906
45°	10353
50°	5303
55°	3377
60°	1937
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224251

CATALOG NUMBER: LD2B15D010 EU2B15FL409030 2LBDSQLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	21.0
10°-20°	413.5	42.2
20°-30°	259.0	26.4
30°-40°	80.1	8.2
40°-50°	16.6	1.7
50°-60°	4.6	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°	878.6	89.6
0°-40°	958.7	97.8
0°-60°	979.9	99.9
0°-90°	980.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2304	
5°	2251	206
15°	1530	414
25°	551	259
35°	118	80
45°	19	17
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224251

CATALOG NUMBER: LD2B15D010 EU2B15FL409030 2LBDSQLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2304.2
2.5°	2292.9
5°	2251.3
7.5°	2145.6
10°	1977.0
12.5°	1769.3
15°	1530.2
17.5°	1254.6
20°	992.9
22.5°	755.1
25°	551.2
27.5°	387.6
30°	266.8
32.5°	178.7
35°	118.3
37.5°	74.2
40°	45.3
42.5°	28.9
45°	18.9
47.5°	12.6
50°	8.8
52.5°	6.3
55°	5.0
57.5°	3.8
60°	2.5
62.5°	1.3
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)