

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: P225456

Luminaire Tested: **LD2B15D010 EU2B15FL408030 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL408030 2LBDLC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1260.7 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

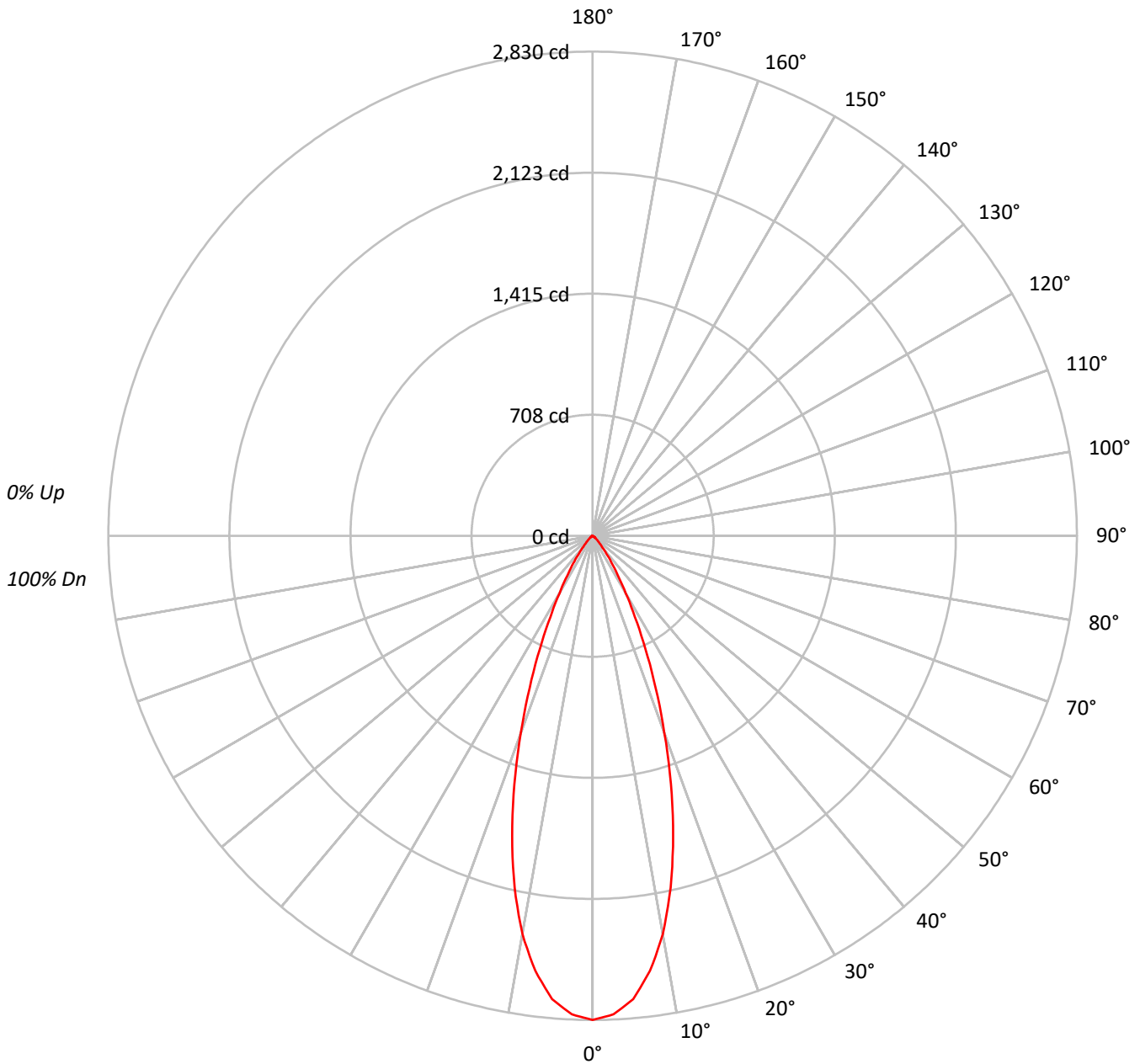
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225456

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225456

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDLC*MB

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	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	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90																																				
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86																																				
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81																																				
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77																																				
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74																																				
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70																																				
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67																																				
9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64																																				
10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1096267
5°	1056983
10°	929615
15°	728635
20°	504663
25°	310926
30°	173004
35°	92303
40°	45761
45°	23336
50°	12835
55°	8374
60°	4106
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225456

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	19.7
10°-20°	496.3	39.4
20°-30°	339.0	26.9
30°-40°	129.2	10.3
40°-50°	35.9	2.8
50°-60°	11.2	0.9
60°-70°	1.1	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°	1083.3	85.9
0°-40°	1212.5	96.2
0°-60°	1259.6	99.9
0°-90°	1260.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1260.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2830	
5°	2718	248
15°	1817	496
25°	728	339
35°	195	129
45°	43	36
55°	12	11
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225456

CATALOG NUMBER: LD2B15D010 EU2B15FL408030 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2830.2
2.5°	2800.0
5°	2718.4
7.5°	2565.8
10°	2363.5
12.5°	2106.2
15°	1817.0
17.5°	1520.7
20°	1224.3
22.5°	961.7
25°	727.5
27.5°	534.1
30°	386.8
32.5°	275.0
35°	195.2
37.5°	136.6
40°	90.5
42.5°	60.3
45°	42.6
47.5°	30.2
50°	21.3
52.5°	16.0
55°	12.4
57.5°	8.9
60°	5.3
62.5°	1.8
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)