

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: P#

Luminaire Tested: **LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14810)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1131.3 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

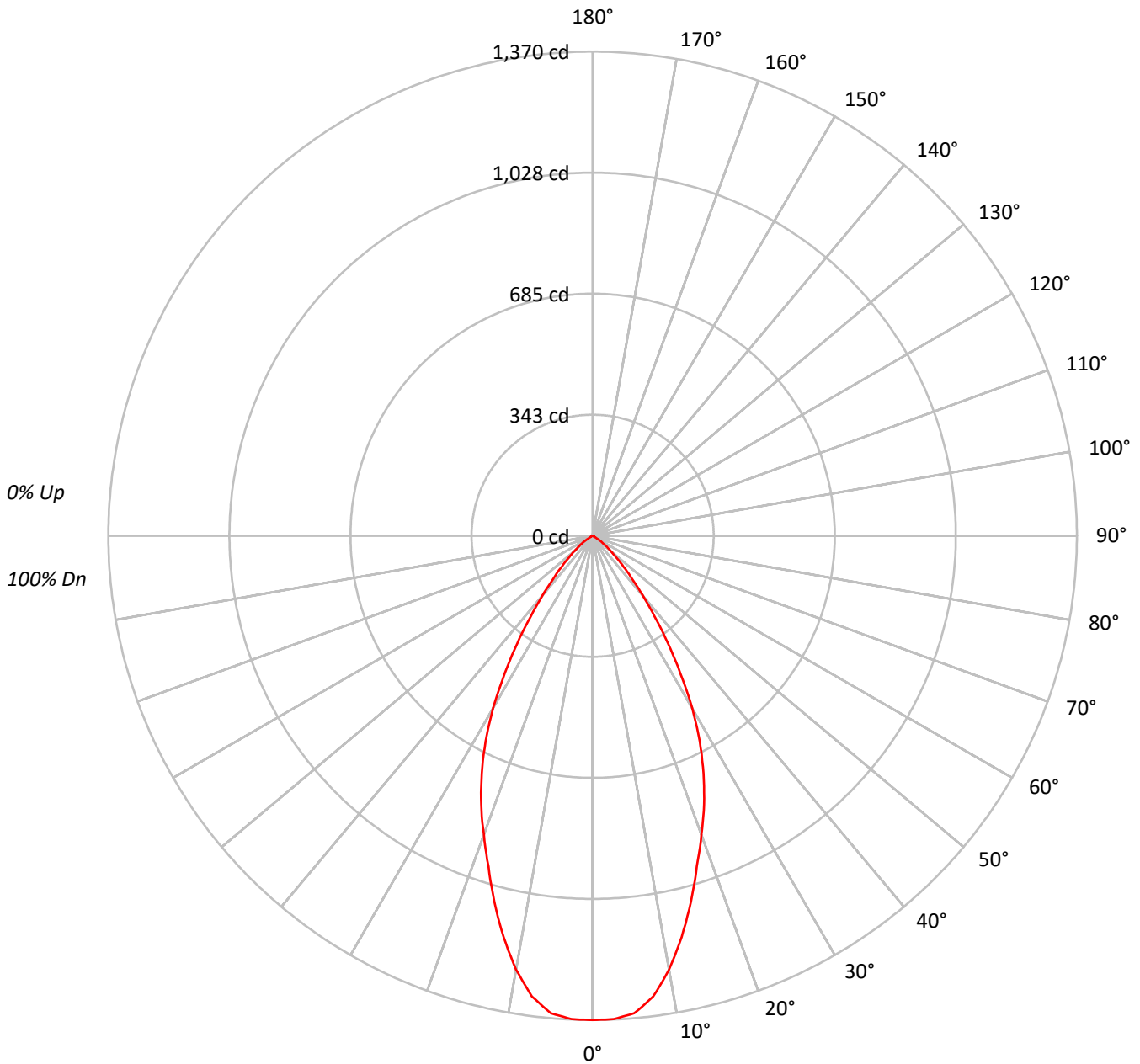
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW

**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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	530741
5°	527325
10°	490236
15°	430364
20°	370984
25°	317251
30°	251768
35°	175526
40°	111039
45°	67762
50°	40073
55°	21948
60°	4803
65°	4216
70°	3511
75°	4639
80°	3346
85°	6666



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.9	11.1
10°-20°	298.9	26.4
20°-30°	337.2	29.8
30°-40°	233.3	20.6
40°-50°	99.4	8.8
50°-60°	28.8	2.5
60°-70°	4.2	0.4
70°-80°	2.6	0.2
80°-90°	1.0	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°	762.0	67.4
0°-40°	995.3	88.0
0°-60°	1123.5	99.3
0°-90°	1131.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1370	
5°	1356	126
15°	1073	299
25°	742	337
35°	371	233
45°	124	99
55°	32	29
65°	5	4
75°	3	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDSQLC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1370.2
2.5°	1368.6
5°	1356.2
7.5°	1314.5
10°	1246.4
12.5°	1162.9
15°	1073.2
17.5°	980.5
20°	900.0
22.5°	824.3
25°	742.3
27.5°	655.7
30°	562.9
32.5°	462.4
35°	371.2
37.5°	287.6
40°	219.6
42.5°	165.5
45°	123.7
47.5°	89.7
50°	66.5
52.5°	47.9
55°	32.5
57.5°	13.9
60°	6.2
62.5°	4.6
65°	4.6
67.5°	3.1
70°	3.1
72.5°	3.1
75°	3.1
77.5°	1.5
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)