

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 2LBDL\*H**

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 (P14807)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B15WFL558027 2LBDL\*H  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1181.7 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

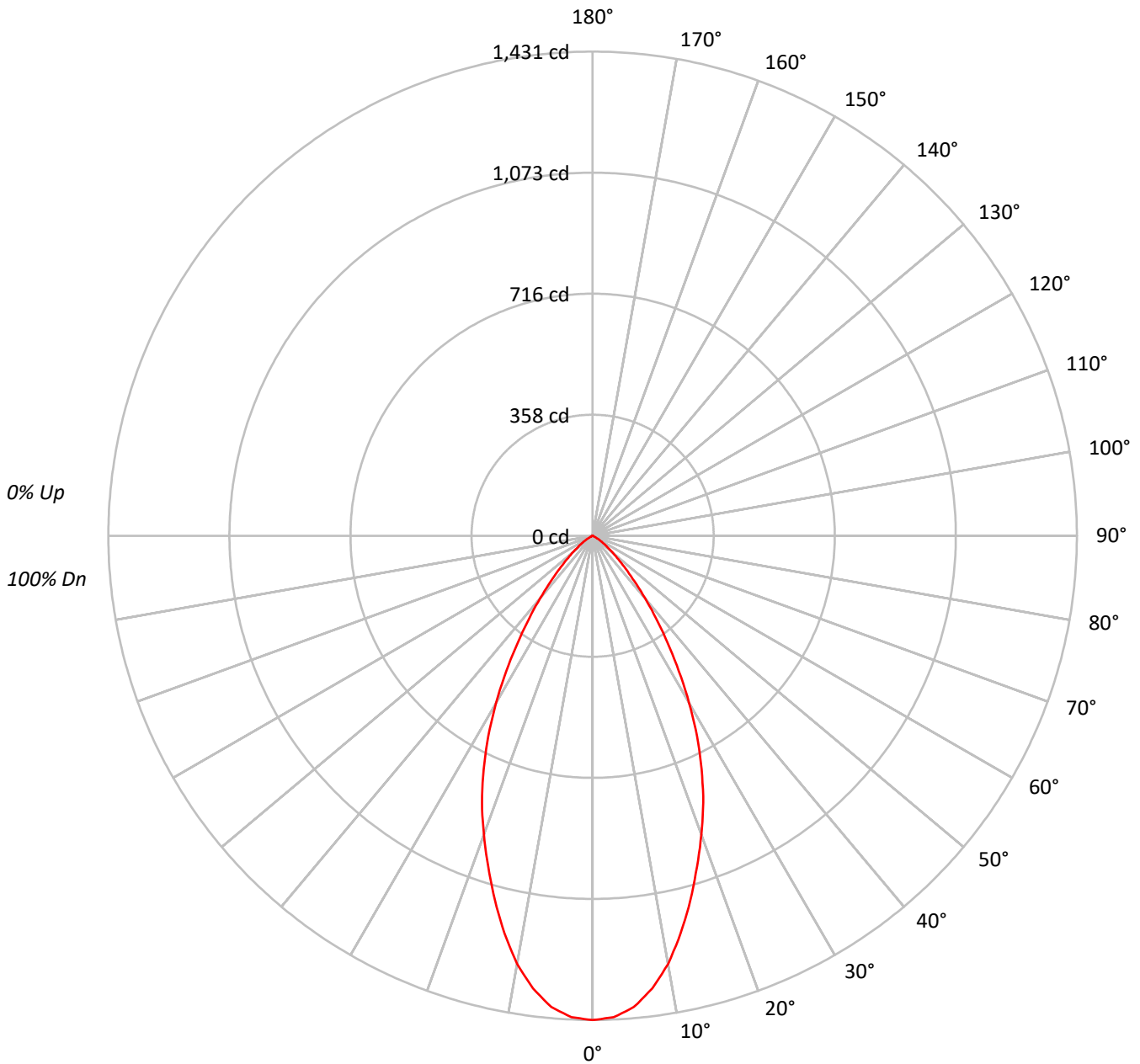
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDL\*H

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDL\*H

**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	111	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	86	84	81	80			
4	96	89	83	79	95	87	82	78	85	81	77	83	79	76	81	78	75	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68			
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64			
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59			
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49			

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

	0°
0°	554370
5°	543617
10°	505339
15°	447407
20°	387308
25°	325585
30°	254943
35°	182194
40°	121658
45°	75431
50°	45195
55°	27080
60°	12163
65°	1558
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDL\*H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.8	11.0
10°-20°	310.7	26.3
20°-30°	346.6	29.3
30°-40°	242.8	20.5
40°-50°	110.8	9.4
50°-60°	37.0	3.1
60°-70°	4.0	0.3
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°	787.1	66.6
0°-40°	1029.8	87.1
0°-60°	1177.7	99.7
0°-90°	1181.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1431	
5°	1398	130
15°	1116	311
25°	762	347
35°	385	243
45°	138	111
55°	40	37
65°	2	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL558027 2LBDL\*H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1431.2
2.5°	1424.2
5°	1398.1
7.5°	1349.3
10°	1284.8
12.5°	1202.8
15°	1115.7
17.5°	1025.0
20°	939.6
22.5°	854.2
25°	761.8
27.5°	667.7
30°	570.0
32.5°	474.2
35°	385.3
37.5°	306.8
40°	240.6
42.5°	183.0
45°	137.7
47.5°	102.9
50°	75.0
52.5°	54.0
55°	40.1
57.5°	27.9
60°	15.7
62.5°	5.2
65°	1.7
67.5°	1.7
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)