

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: **LD2B10D010 EU2B10WFL558040 2LBDLC\*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: LD2B10D010 EU2B10WFL558040 2LBDLC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

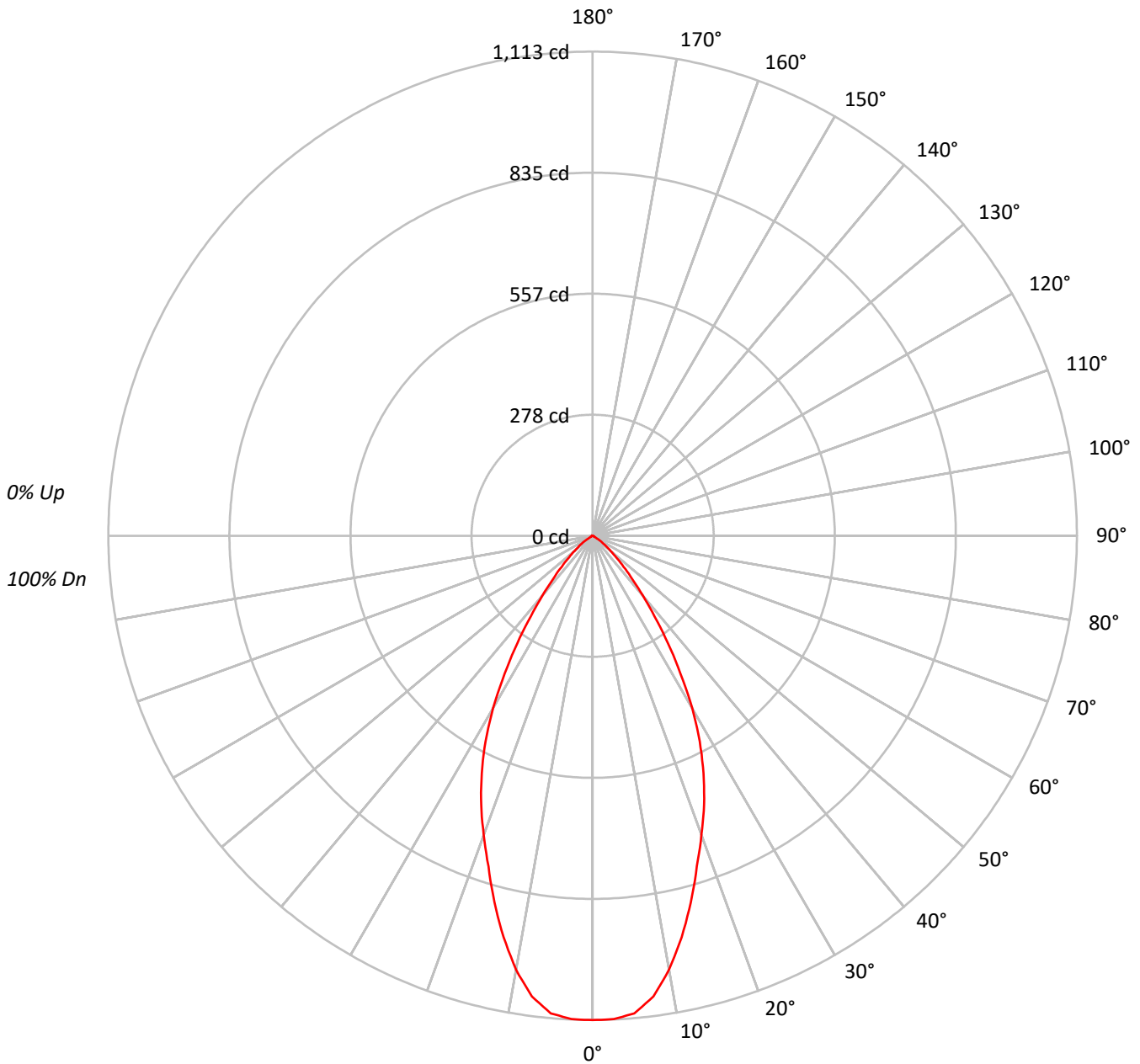
Lumens per Lamp: N/A  
Luminaire Lumens: 919.3 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
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: LD2B10D010 EU2B10WFL558040 2LBDLC\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL558040 2LBDLC\*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°	431232
5°	428486
10°	398356
15°	349681
20°	301446
25°	257758
30°	204581
35°	142615
40°	90207
45°	55053
50°	32541
55°	17828
60°	3873
65°	3483
70°	2831
75°	3741
80°	2900
85°	5778



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL558040 2LBDLC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.3	11.1
10°-20°	242.9	26.4
20°-30°	274.0	29.8
30°-40°	189.6	20.6
40°-50°	80.8	8.8
50°-60°	23.4	2.5
60°-70°	3.4	0.4
70°-80°	2.2	0.2
80°-90°	0.9	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°	619.1	67.3
0°-40°	808.7	88.0
0°-60°	912.9	99.3
0°-90°	919.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	919.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1113	
5°	1102	102
15°	872	243
25°	603	274
35°	302	190
45°	100	81
55°	26	23
65°	4	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL558040 2LBDLC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1113.3
2.5°	1112.0
5°	1102.0
7.5°	1068.1
10°	1012.8
12.5°	944.9
15°	872.0
17.5°	796.7
20°	731.3
22.5°	669.7
25°	603.1
27.5°	532.8
30°	457.4
32.5°	375.7
35°	301.6
37.5°	233.7
40°	178.4
42.5°	134.5
45°	100.5
47.5°	72.9
50°	54.0
52.5°	39.0
55°	26.4
57.5°	11.3
60°	5.0
62.5°	3.8
65°	3.8
67.5°	2.5
70°	2.5
72.5°	2.5
75°	2.5
77.5°	1.3
80°	1.3
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)