

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: P224718

Luminaire Tested: **LD2B10D010 EU2B10FL408035 2LBD\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10FL408035 2LBD\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1031.3 lumens  
Efficiency: N/A  
Efficacy: 100.1 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

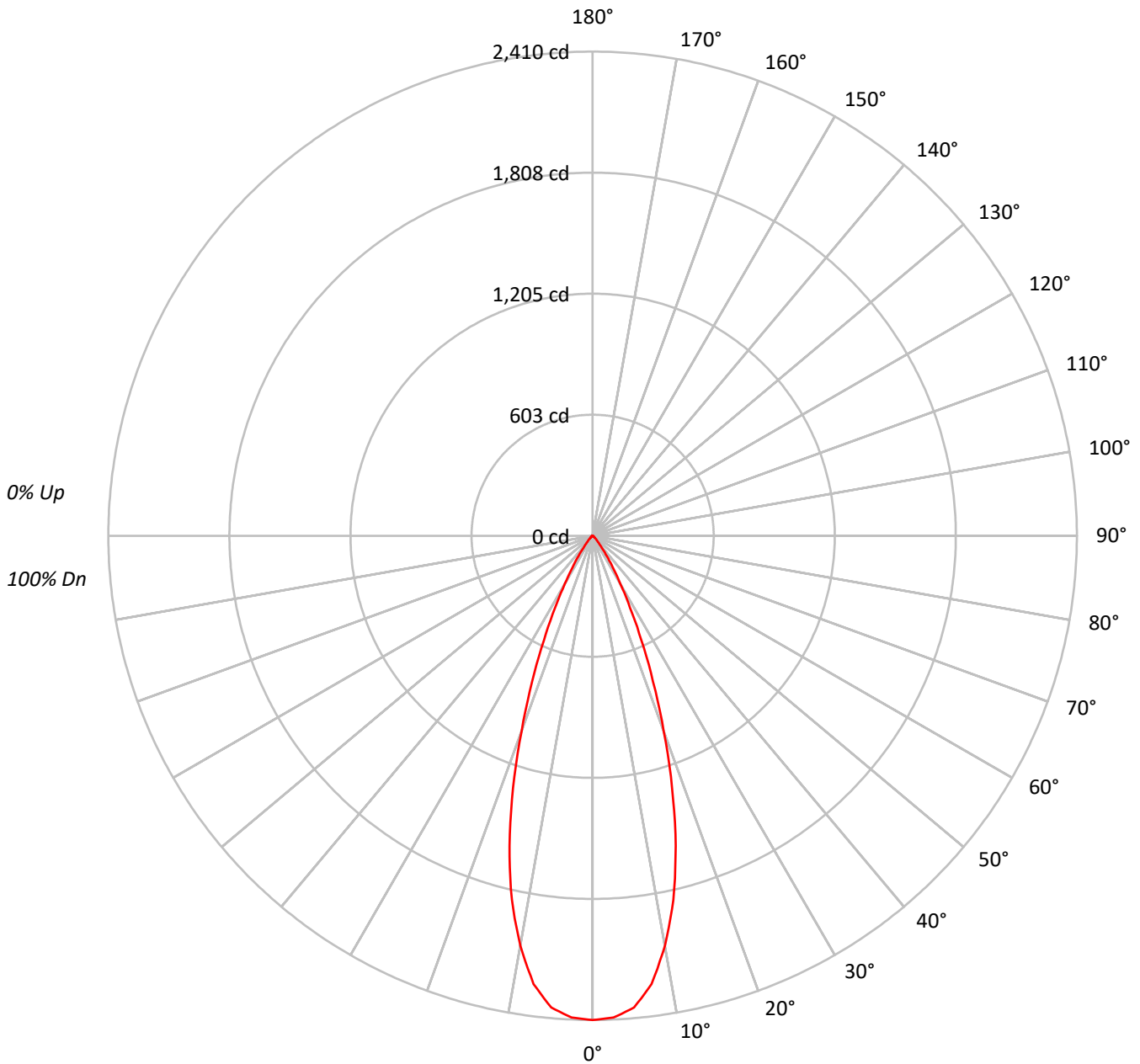
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224718

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBD\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P224718

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBD\*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			100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86			86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82			82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79			79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75			75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72			72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69			69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66			66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64			64

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

	0°
0°	933659
5°	916656
10°	814844
15°	640854
20°	426426
25°	244808
30°	123670
35°	58162
40°	23411
45°	11613
50°	6388
55°	4457
60°	4106
65°	2383
70°	2945
75°	1946
80°	2900
85°	0



TEST NUMBER: P224718

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBD\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.9	20.9
10°-20°	432.9	42.0
20°-30°	269.3	26.1
30°-40°	82.8	8.0
40°-50°	18.2	1.8
50°-60°	6.5	0.6
60°-70°	3.2	0.3
70°-80°	1.9	0.2
80°-90°	0.5	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°	918.1	89.0
0°-40°	1000.9	97.1
0°-60°	1025.6	99.5
0°-90°	1031.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2410	
5°	2358	216
15°	1598	433
25°	573	269
35°	123	83
45°	21	18
55°	7	6
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P224718

CATALOG NUMBER: LD2B10D010 EU2B10FL408035 2LBD\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2410.4
2.5°	2399.8
5°	2357.5
7.5°	2250.3
10°	2071.7
12.5°	1857.4
15°	1598.1
17.5°	1315.0
20°	1034.5
22.5°	784.5
25°	572.8
27.5°	403.5
30°	276.5
32.5°	186.5
35°	123.0
37.5°	74.1
40°	46.3
42.5°	31.8
45°	21.2
47.5°	14.6
50°	10.6
52.5°	9.3
55°	6.6
57.5°	5.3
60°	5.3
62.5°	4.0
65°	2.6
67.5°	2.6
70°	2.6
72.5°	2.6
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)