

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: P224245

Luminaire Tested: **LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 628.4 lumens  
Efficiency: N/A  
Efficacy: 61.0 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

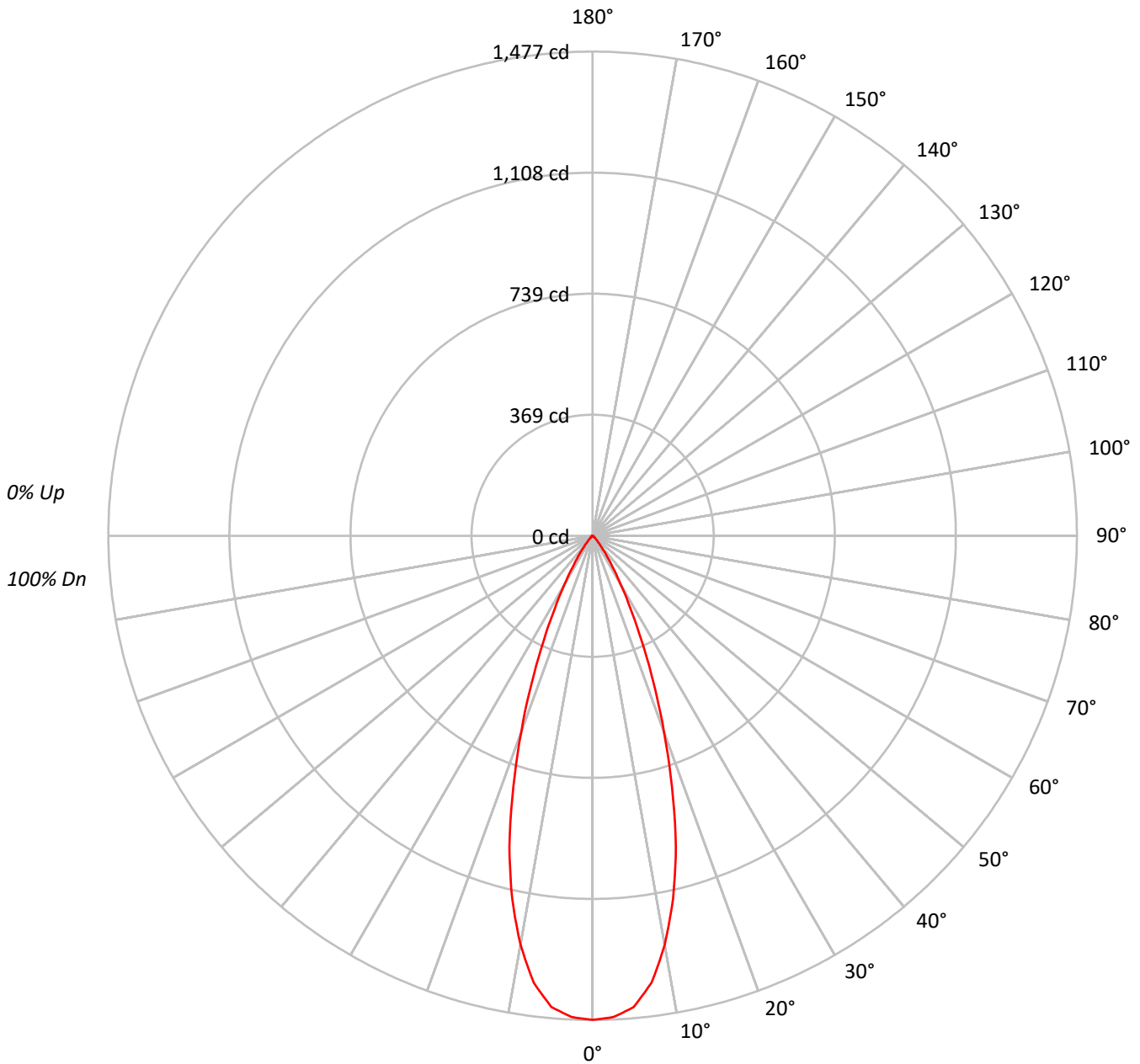
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224245

CATALOG NUMBER: LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P224245

CATALOG NUMBER: LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS

**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	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91																																				
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87																																				
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83																																				
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	83	80	79																																				
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	76																																				
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72																																				
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69																																				
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67																																				
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64																																				

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

	0°
0°	571994
5°	561036
10°	498338
15°	393271
20°	262286
25°	150997
30°	76483
35°	35843
40°	14664
45°	6628
50°	3375
55°	2161
60°	1240
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224245

CATALOG NUMBER: LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.1	21.0
10°-20°	265.0	42.2
20°-30°	166.0	26.4
30°-40°	51.4	8.2
40°-50°	10.6	1.7
50°-60°	2.9	0.5
60°-70°	0.4	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°	563.1	89.6
0°-40°	614.4	97.8
0°-60°	628.0	99.9
0°-90°	628.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1477	
5°	1443	132
15°	981	265
25°	353	166
35°	76	51
45°	12	11
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224245

CATALOG NUMBER: LD2B10D010 EU2B10FL409727 2LBDSQLC\*MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1476.7
2.5°	1469.5
5°	1442.9
7.5°	1375.1
10°	1267.0
12.5°	1134.0
15°	980.7
17.5°	804.1
20°	636.3
22.5°	483.9
25°	353.3
27.5°	248.4
30°	171.0
32.5°	114.5
35°	75.8
37.5°	47.6
40°	29.0
42.5°	18.5
45°	12.1
47.5°	8.1
50°	5.6
52.5°	4.0
55°	3.2
57.5°	2.4
60°	1.6
62.5°	0.8
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)