

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: P224303

Luminaire Tested: **LD2B10D010 EU2B10FL408040 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224303
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 EU2B10FL408040 2LBDSQLC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 952.5 lumens
Efficiency: N/A
Efficacy: 92.5 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

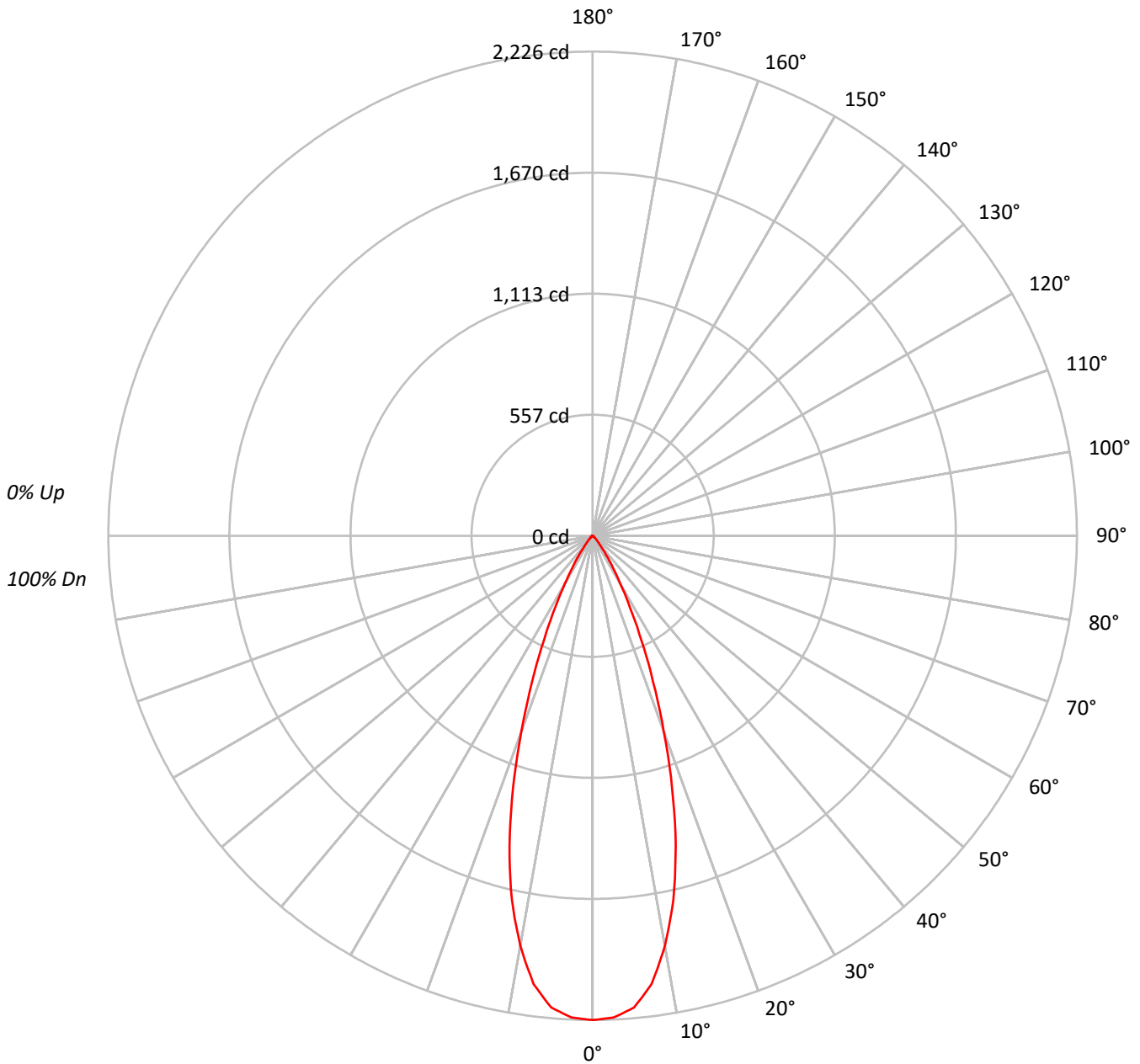
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224303

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDSQLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P224303

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 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	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	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91																																				
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86																																				
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82																																				
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79																																				
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75																																				
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72																																				
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69																																				
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66																																				
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	862387
5°	846707
10°	752660
15°	591931
20°	393903
25°	226132
30°	114232
35°	53717
40°	21642
45°	10737
50°	5906
55°	4119
60°	3796
65°	2200
70°	2718
75°	1796
80°	2677
85°	0



TEST NUMBER: P224303

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDSQLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	20.9
10°-20°	399.8	42.0
20°-30°	248.8	26.1
30°-40°	76.5	8.0
40°-50°	16.8	1.8
50°-60°	6.0	0.6
60°-70°	3.0	0.3
70°-80°	1.7	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°	848.0	89.0
0°-40°	924.5	97.1
0°-60°	947.3	99.5
0°-90°	952.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2226	
5°	2178	199
15°	1476	400
25°	529	249
35°	114	76
45°	20	17
55°	6	6
65°	2	3
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P224303

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDSQLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2226.4
2.5°	2216.7
5°	2177.6
7.5°	2078.6
10°	1913.6
12.5°	1715.6
15°	1476.1
17.5°	1214.6
20°	955.6
22.5°	724.6
25°	529.1
27.5°	372.7
30°	255.4
32.5°	172.3
35°	113.6
37.5°	68.4
40°	42.8
42.5°	29.3
45°	19.6
47.5°	13.4
50°	9.8
52.5°	8.6
55°	6.1
57.5°	4.9
60°	4.9
62.5°	3.7
65°	2.4
67.5°	2.4
70°	2.4
72.5°	2.4
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)