

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: P224966

Luminaire Tested: **LD2B10D010 EU2B10FL408050 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL408050 2LBDL*LI
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1011.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

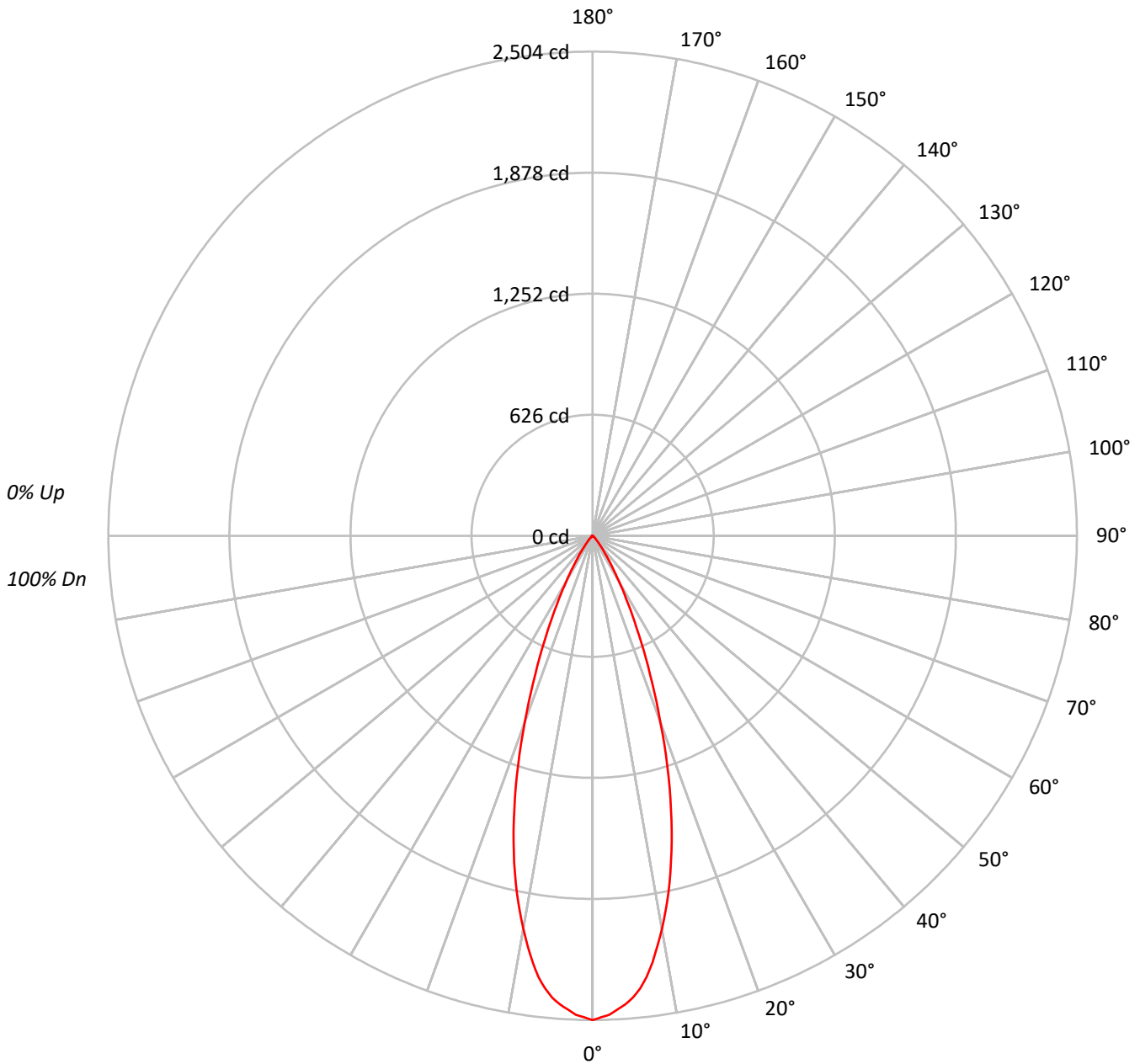
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224966

CATALOG NUMBER: LD2B10D010 EU2B10FL408050 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P224966

CATALOG NUMBER: LD2B10D010 EU2B10FL408050 2LBDL*LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	970108
5°	932248
10°	811540
15°	633676
20°	421438
25°	241304
30°	119957
35°	55136
40°	22097
45°	10134
50°	4700
55°	2634
60°	1472
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224966

CATALOG NUMBER: LD2B10D010 EU2B10FL408050 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	21.6
10°-20°	428.5	42.4
20°-30°	265.2	26.2
30°-40°	79.4	7.8
40°-50°	15.9	1.6
50°-60°	3.9	0.4
60°-70°	0.2	0.0
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°	911.9	90.2
0°-40°	991.3	98.0
0°-60°	1011.1	100.0
0°-90°	1011.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2504	
5°	2398	218
15°	1580	429
25°	565	265
35°	117	79
45°	18	16
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224966

CATALOG NUMBER: LD2B10D010 EU2B10FL408050 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2504.5
1°	2490.9
2°	2478.2
3°	2453.0
4°	2429.6
5°	2397.6
6°	2353.8
7°	2298.4
8°	2227.5
9°	2146.8
10°	2063.3
11°	1976.8
12°	1884.4
13°	1788.2
14°	1685.2
15°	1580.2
17.5°	1303.3
20°	1022.4
22.5°	773.6
25°	564.6
27.5°	396.5
30°	268.2
32.5°	176.9
35°	116.6
37.5°	72.9
40°	43.7
42.5°	28.2
45°	18.5
47.5°	11.7
50°	7.8
52.5°	5.8
55°	3.9
57.5°	2.9
60°	1.9
62.5°	0.0
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



TEST NUMBER: P224966

CATALOG NUMBER: LD2B10D010 EU2B10FL408050 2LBDL*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)