

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 EU2B10FL409024 2LBD*LI**

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 (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409024 2LBD*LI
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

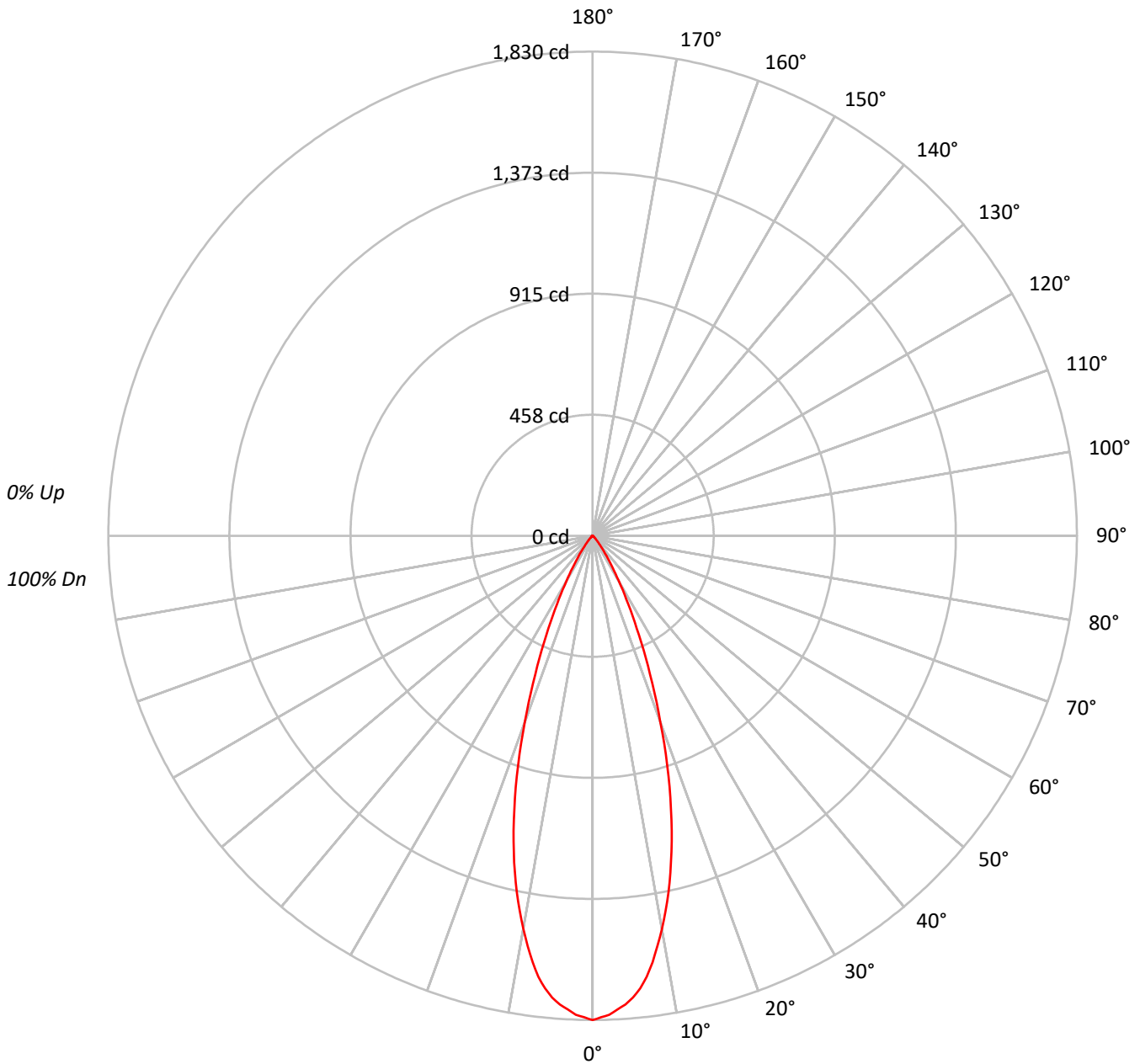
Lumens per Lamp: N/A
Luminaire Lumens: 739.1 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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: P#
CATALOG NUMBER: LD2B10D010 EU2B10FL409024 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10FL409024 2LBD*LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	105	103	102	101	100	99	98	97	96																											
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91																											
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87																											
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83																											
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79																											
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	79	77	76																											
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73																											
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70																											
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67																											
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	708998
5°	681300
10°	593089
15°	463127
20°	308000
25°	176383
30°	87665
35°	40288
40°	16181
45°	7395
50°	3435
55°	1891
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10FL409024 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	21.6
10°-20°	313.2	42.4
20°-30°	193.8	26.2
30°-40°	58.0	7.8
40°-50°	11.6	1.6
50°-60°	2.8	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°	666.5	90.2
0°-40°	724.5	98.0
0°-60°	738.9	100.0
0°-90°	739.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1830	
5°	1752	159
15°	1155	313
25°	413	194
35°	85	58
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10FL409024 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1830.4
1°	1820.4
2°	1811.2
3°	1792.7
4°	1775.7
5°	1752.2
6°	1720.3
7°	1679.8
8°	1627.9
9°	1569.0
10°	1507.9
11°	1444.7
12°	1377.2
13°	1306.9
14°	1231.6
15°	1154.9
17.5°	952.5
20°	747.2
22.5°	565.4
25°	412.7
27.5°	289.8
30°	196.0
32.5°	129.3
35°	85.2
37.5°	53.3
40°	32.0
42.5°	20.6
45°	13.5
47.5°	8.5
50°	5.7
52.5°	4.3
55°	2.8
57.5°	2.1
60°	1.4
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: P#

CATALOG NUMBER: LD2B10D010 EU2B10FL409024 2LBD*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)