

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 EU2B1010NFL258040 2LBPINW**

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 (P14816)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010NFL258040 2LBPINW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
ROUND PINHOLE WHITE OCULUS
Light Source: -
Ballast/Driver: -

Summary

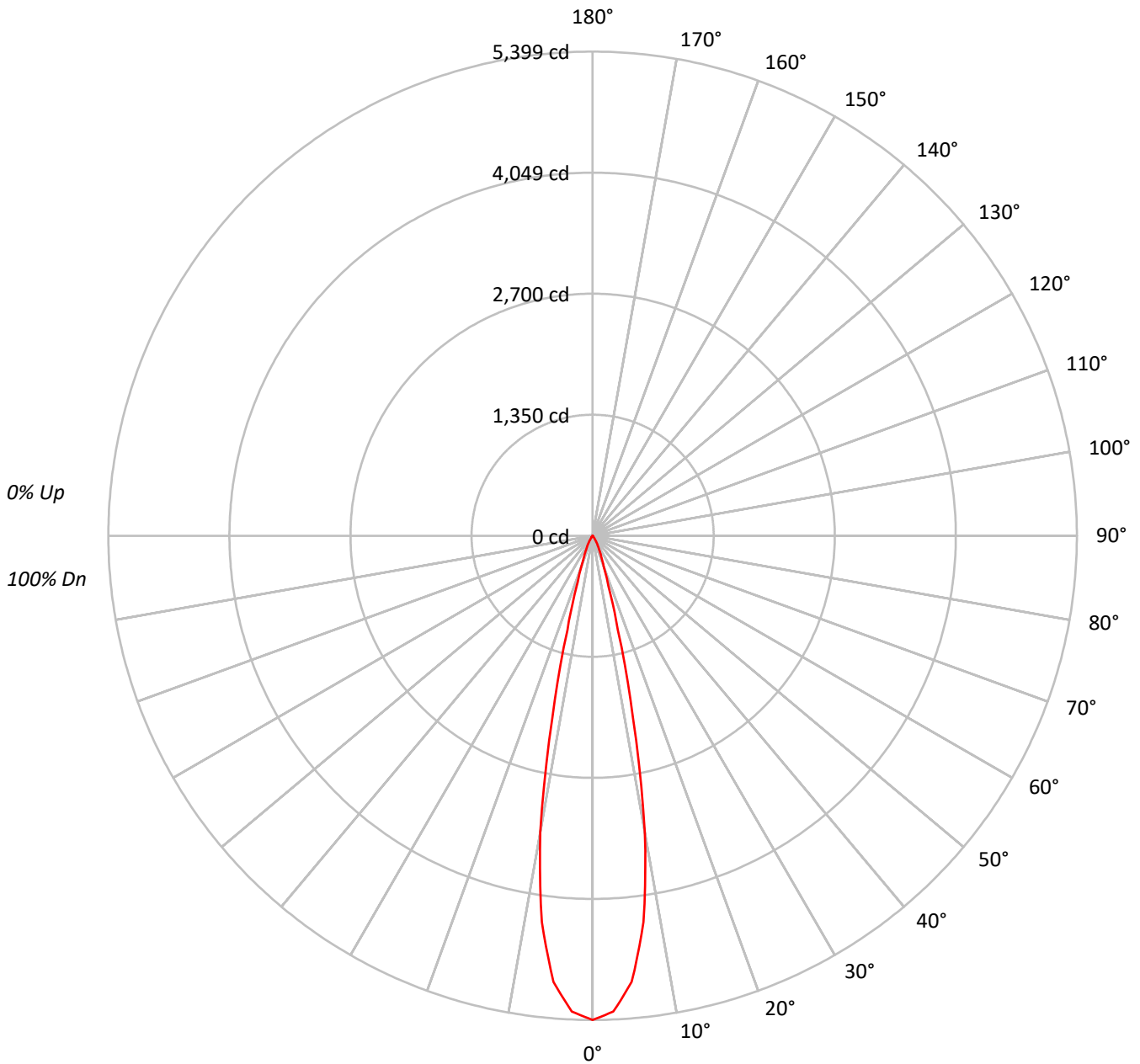
Lumens per Lamp: N/A
Luminaire Lumens: 891.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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 EU2B1010NFL258040 2LBPINW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010NFL258040 2LBPINW

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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90	90	90	90
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	86	86	86
7	99	93	89	87	98	93	89	87	92	88	86	91	88	86	90	87	85	85	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2092150
5°	1942844
10°	1320501
15°	436857
20°	148406
25°	75162
30°	38792
35°	12772
40°	4755
45°	2576
50°	723
55°	811
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010NFL258040 2LBPINW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.3	47.6
10°-20°	354.5	39.8
20°-30°	85.8	9.6
30°-40°	22.2	2.5
40°-50°	3.6	0.4
50°-60°	0.7	0.1
60°-70°	0.0	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°	864.6	97.0
0°-40°	886.7	99.5
0°-60°	891.0	100.0
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5399	
5°	4995	424
15°	1089	354
25°	176	86
35°	27	22
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B1010NFL258040 2LBPINW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5399.3
2.5°	5309.1
5°	4994.9
7.5°	4344.3
10°	3356.1
12.5°	2076.0
15°	1089.0
17.5°	588.5
20°	359.9
22.5°	248.5
25°	175.8
27.5°	124.3
30°	86.7
32.5°	61.0
35°	27.0
37.5°	11.7
40°	9.4
42.5°	7.0
45°	4.7
47.5°	2.3
50°	1.2
52.5°	1.2
55°	1.2
57.5°	0.0
60°	0.0
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)