

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: **LD2B05D010 EU2B0510NFL258027 2LBPIN**

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: LD2B05D010 EU2B0510NFL258027 2LBPIN
Description: 500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
ROUND PINHOLE BLACK OCULUS
Light Source: -
Ballast/Driver: -

Summary

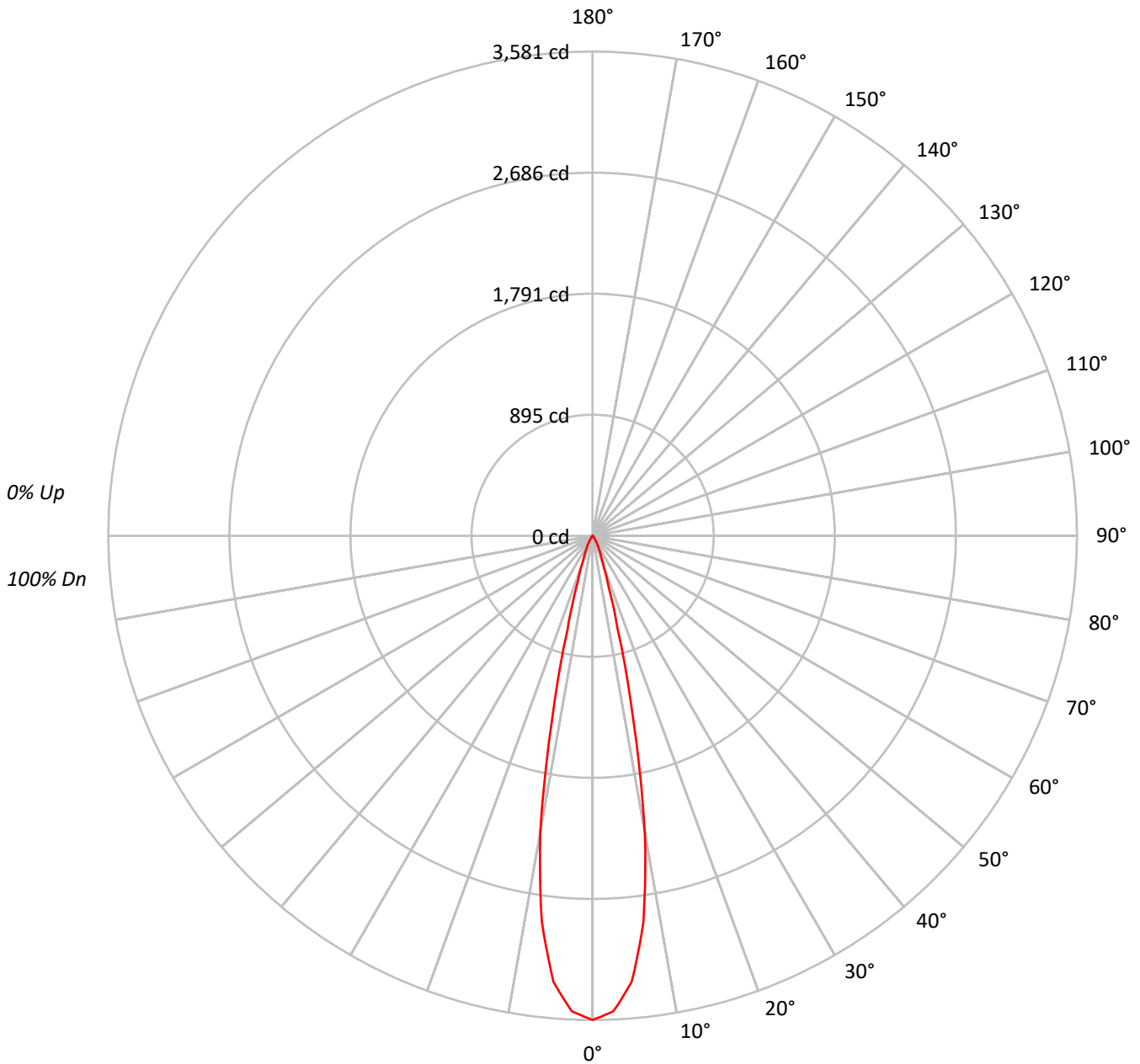
Lumens per Lamp: N/A
Luminaire Lumens: 590.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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: LD2B05D010 EU2B0510NFL258027 2LBPIN

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510NFL258027 2LBPIN

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°	1387508
5°	1288487
10°	875731
15°	289714
20°	98429
25°	49851
30°	25727
35°	8467
40°	3136
45°	1699
50°	482
55°	540
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510NFL258027 2LBPIN

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	47.6
10°-20°	235.1	39.8
20°-30°	56.9	9.6
30°-40°	14.7	2.5
40°-50°	2.4	0.4
50°-60°	0.4	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°	573.4	97.0
0°-40°	588.0	99.5
0°-60°	590.9	100.0
0°-90°	590.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3581	
5°	3313	281
15°	722	235
25°	117	57
35°	18	15
45°	3	2
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B0510NFL258027 2LBPIN

CANDELA DISTRIBUTION (FULL):

	0°
0°	3580.8
2.5°	3520.9
5°	3312.6
7.5°	2881.1
10°	2225.7
12.5°	1376.8
15°	722.2
17.5°	390.3
20°	238.7
22.5°	164.8
25°	116.6
27.5°	82.4
30°	57.5
32.5°	40.4
35°	17.9
37.5°	7.8
40°	6.2
42.5°	4.7
45°	3.1
47.5°	1.6
50°	0.8
52.5°	0.8
55°	0.8
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)