

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: P222471

Luminaire Tested: **LD2B10D010 EU2B10NFL259050 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10NFL259050 2LBDC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 888.6 lumens
Efficiency: N/A
Efficacy: 86.3 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

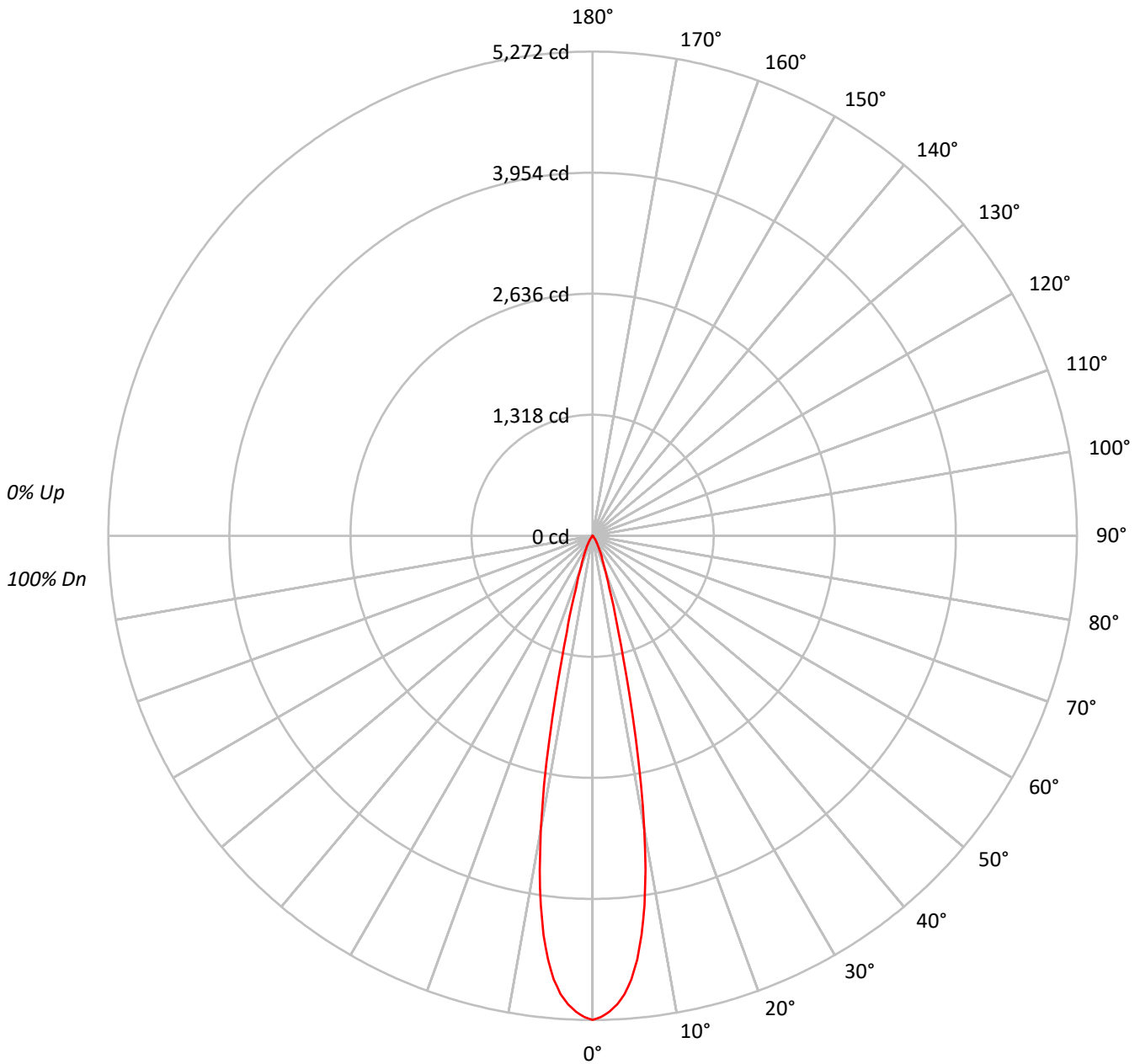
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222471

CATALOG NUMBER: LD2B10D010 EU2B10NFL259050 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P222471

CATALOG NUMBER: LD2B10D010 EU2B10NFL259050 2LBDC*MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	104	102	104	102	100	101	99	98	98	97	96	95	95	95	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92	92	92	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	90	90	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88	88	88	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86	86	86	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84	84	84	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82	82	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80	80	80	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79	79	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2041972
5°	1885415
10°	1276171
15°	434174
20°	159482
25°	84538
30°	43475
35°	20286
40°	6624
45°	3342
50°	1567
55°	608
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222471

CATALOG NUMBER: LD2B10D010 EU2B10NFL259050 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.5	46.4
10°-20°	346.8	39.0
20°-30°	95.2	10.7
30°-40°	27.8	3.1
40°-50°	5.1	0.6
50°-60°	1.2	0.1
60°-70°	0.1	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°	854.4	96.2
0°-40°	882.2	99.3
0°-60°	888.5	100.0
0°-90°	888.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5272	
5°	4849	412
15°	1083	347
25°	198	95
35°	43	28
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222471

CATALOG NUMBER: LD2B10D010 EU2B10NFL259050 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	5271.7
1°	5241.1
2°	5186.8
3°	5108.9
4°	5002.1
5°	4849.0
6°	4639.8
7°	4378.1
8°	4058.6
9°	3681.4
10°	3244.6
11°	2765.8
12°	2267.8
13°	1792.5
14°	1387.3
15°	1082.7
17.5°	610.9
20°	386.9
22.5°	275.7
25°	197.8
27.5°	140.0
30°	97.2
32.5°	68.3
35°	42.9
37.5°	17.5
40°	13.1
42.5°	9.6
45°	6.1
47.5°	3.5
50°	2.6
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
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: P222471

CATALOG NUMBER: LD2B10D010 EU2B10NFL259050 2LBDC*MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)