

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: P222507

Luminaire Tested: **LD2B15D010 EU2B15NFL259050 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222507
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: LD2B15D010 EU2B15NFL259050 2LBDLC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1126.0 lumens
Efficiency: N/A
Efficacy: 78.7 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

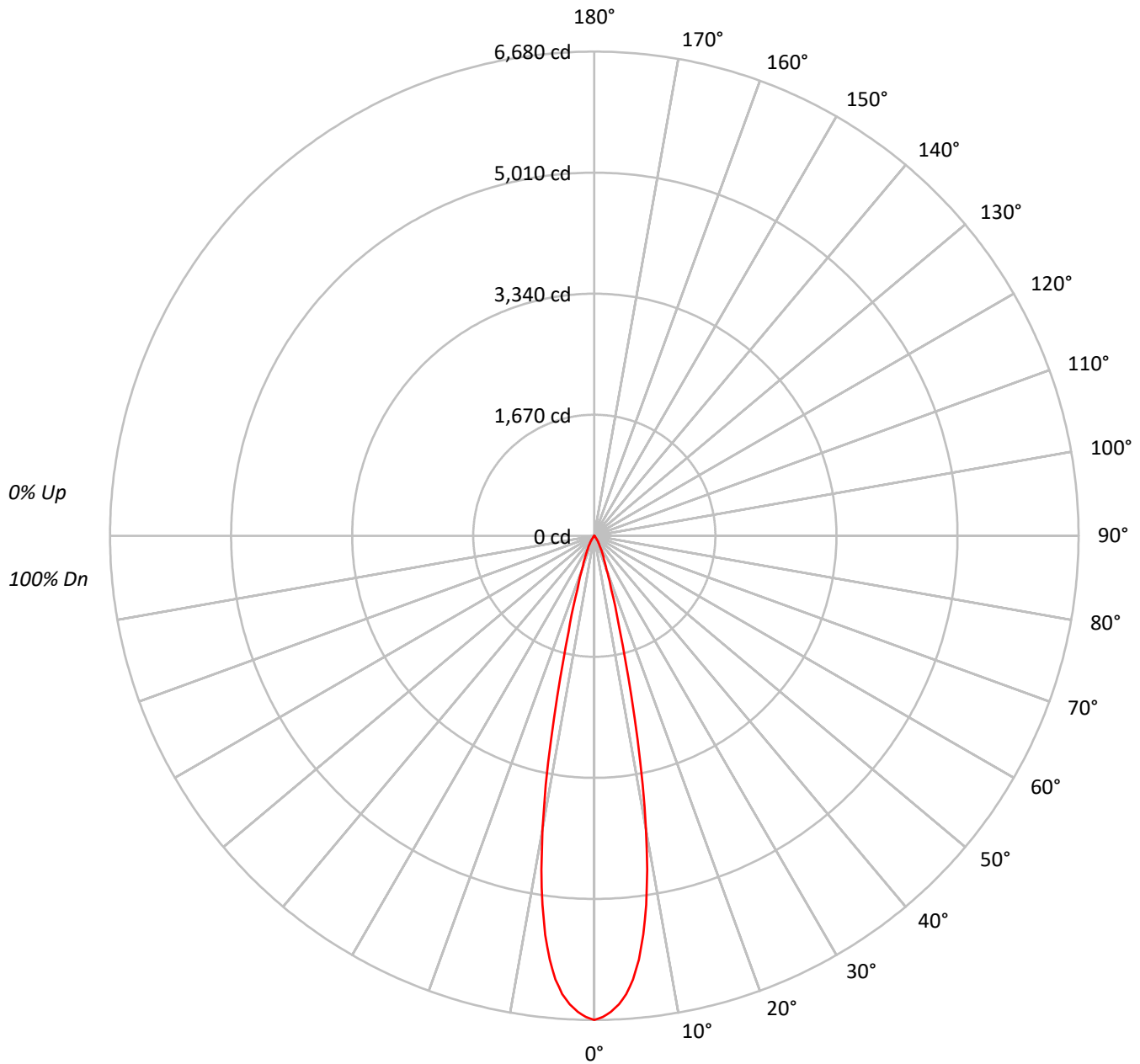
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222507

CATALOG NUMBER: LD2B15D010 EU2B15NFL259050 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P222507

CATALOG NUMBER: LD2B15D010 EU2B15NFL259050 2LBDLC*MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	115	113	112	110	113	111	110	108		107	106	105			104	103	102			97
2	112	109	106	104	110	107	104	102		104	102	100			101	99	98			95
3	109	105	101	99	107	103	100	98		101	98	96			99	97	95			92
4	106	101	97	95	104	100	97	94		98	95	93			96	94	92			90
5	103	98	94	91	102	97	94	91		95	92	90			94	91	89			88
6	101	95	91	89	99	94	91	88		93	90	88			92	89	87			86
7	98	92	89	86	97	92	88	86		91	88	85			90	87	85			84
8	96	90	86	84	95	90	86	84		89	86	83			88	85	83			82
9	94	88	84	82	93	88	84	82		87	84	82			86	83	81			80
10	92	86	82	80	91	86	82	80		85	82	80			84	82	80			79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2587510
5°	2389100
10°	1617102
15°	550186
20°	202063
25°	107146
30°	55059
35°	25676
40°	8394
45°	4273
50°	1989
55°	743
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222507

CATALOG NUMBER: LD2B15D010 EU2B15NFL259050 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.7	46.4
10°-20°	439.5	39.0
20°-30°	120.6	10.7
30°-40°	35.2	3.1
40°-50°	6.5	0.6
50°-60°	1.5	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°	1082.7	96.2
0°-40°	1117.9	99.3
0°-60°	1125.9	100.0
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6680	
5°	6144	523
15°	1372	439
25°	251	121
35°	54	35
45°	8	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222507

CATALOG NUMBER: LD2B15D010 EU2B15NFL259050 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	6680.1
1°	6641.3
2°	6572.5
3°	6473.8
4°	6338.5
5°	6144.4
6°	5879.4
7°	5547.7
8°	5142.9
9°	4664.9
10°	4111.4
11°	3504.8
12°	2873.7
13°	2271.4
14°	1757.9
15°	1372.0
17.5°	774.2
20°	490.2
22.5°	349.4
25°	250.7
27.5°	177.5
30°	123.1
32.5°	86.5
35°	54.3
37.5°	22.2
40°	16.6
42.5°	12.2
45°	7.8
47.5°	4.4
50°	3.3
52.5°	2.2
55°	1.1
57.5°	1.1
60°	1.1
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: P222507

CATALOG NUMBER: LD2B15D010 EU2B15NFL259050 2LBDLC*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)