

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: P264106

Luminaire Tested: **LD2B15D010 EU2B1510SP158040 2LBSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

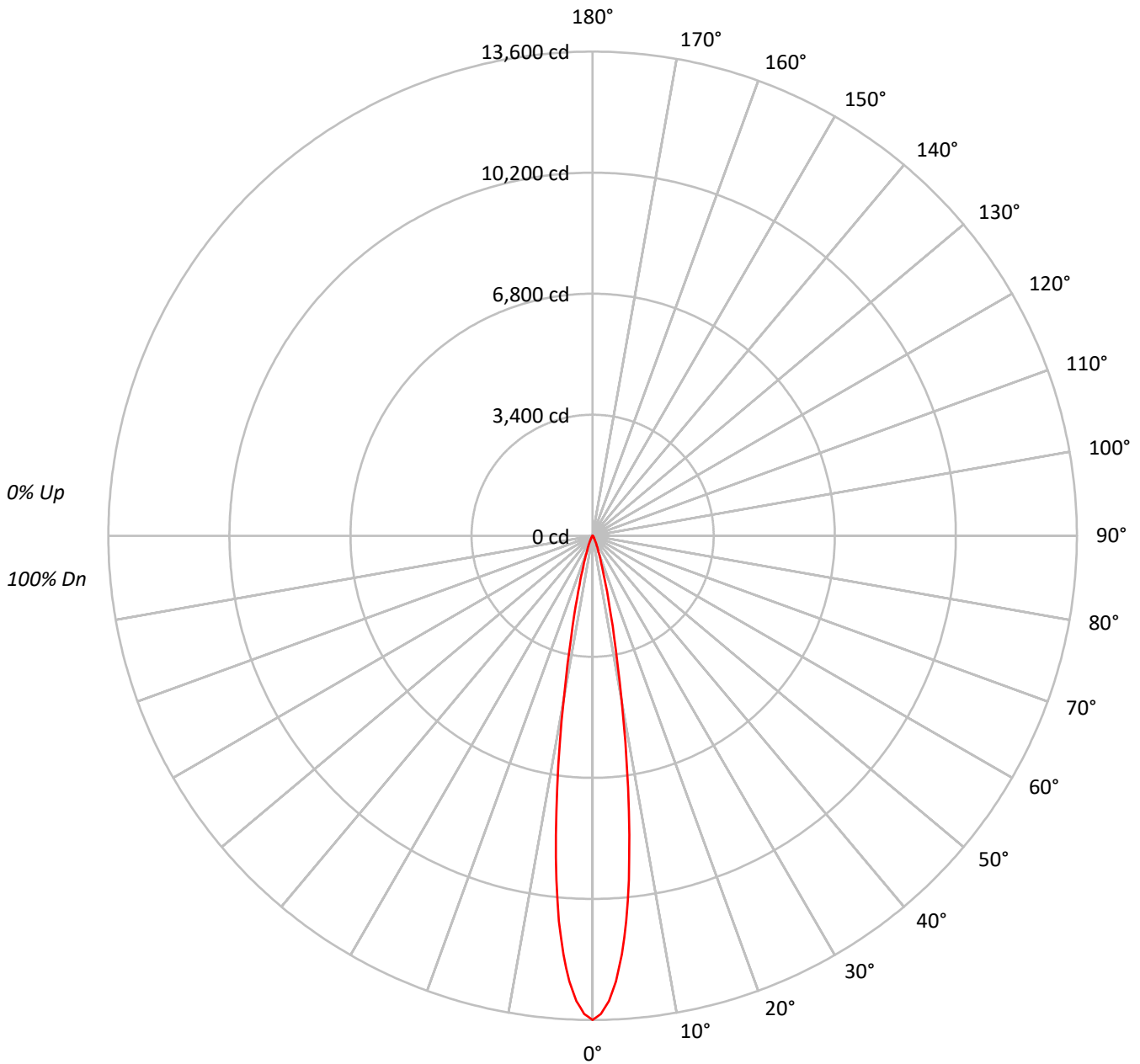
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264106

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P264106

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS

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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	90	90	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	89	89	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	87	87	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	86	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6709868
5°	5378276
10°	2347408
15°	727433
20°	253587
25°	112030
30°	50702
35°	26380
40°	15006
45°	7117
50°	4452
55°	2494
60°	1480
65°	1751
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264106

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.7	58.0
10°-20°	451.6	31.8
20°-30°	102.9	7.2
30°-40°	29.6	2.1
40°-50°	9.1	0.6
50°-60°	2.8	0.2
60°-70°	1.3	0.1
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°	1379.3	97.0
0°-40°	1408.9	99.1
0°-60°	1420.7	99.9
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13600	
5°	10860	825
15°	1424	452
25°	206	103
35°	44	30
45°	10	9
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264106

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	13600.3
1°	13431.0
2°	13079.3
3°	12533.6
4°	11783.5
5°	10859.8
6°	9727.4
7°	8462.2
8°	7141.6
9°	5863.3
10°	4685.7
11°	3689.0
12°	2903.9
13°	2285.2
14°	1805.1
15°	1424.2
16°	1123.6
17°	894.5
18°	719.4
19°	585.2
20°	483.0
22.5°	312.3
25°	205.8
26°	173.7
27°	147.4
28°	124.0
29°	103.6
30°	89.0
32.5°	61.3
35°	43.8
37.5°	32.1
40°	23.3
42.5°	16.1
45°	10.2
47.5°	7.3
50°	5.8
52.5°	4.4
55°	2.9
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	1.5



TEST NUMBER: P264106

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBSQC*MMS

CANDELA DISTRIBUTION (continued):

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)