

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: P264772

Luminaire Tested: **LD2B15D010 EU2B1510SP158040 2LBDL*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP158040 2LBDL*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1365.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

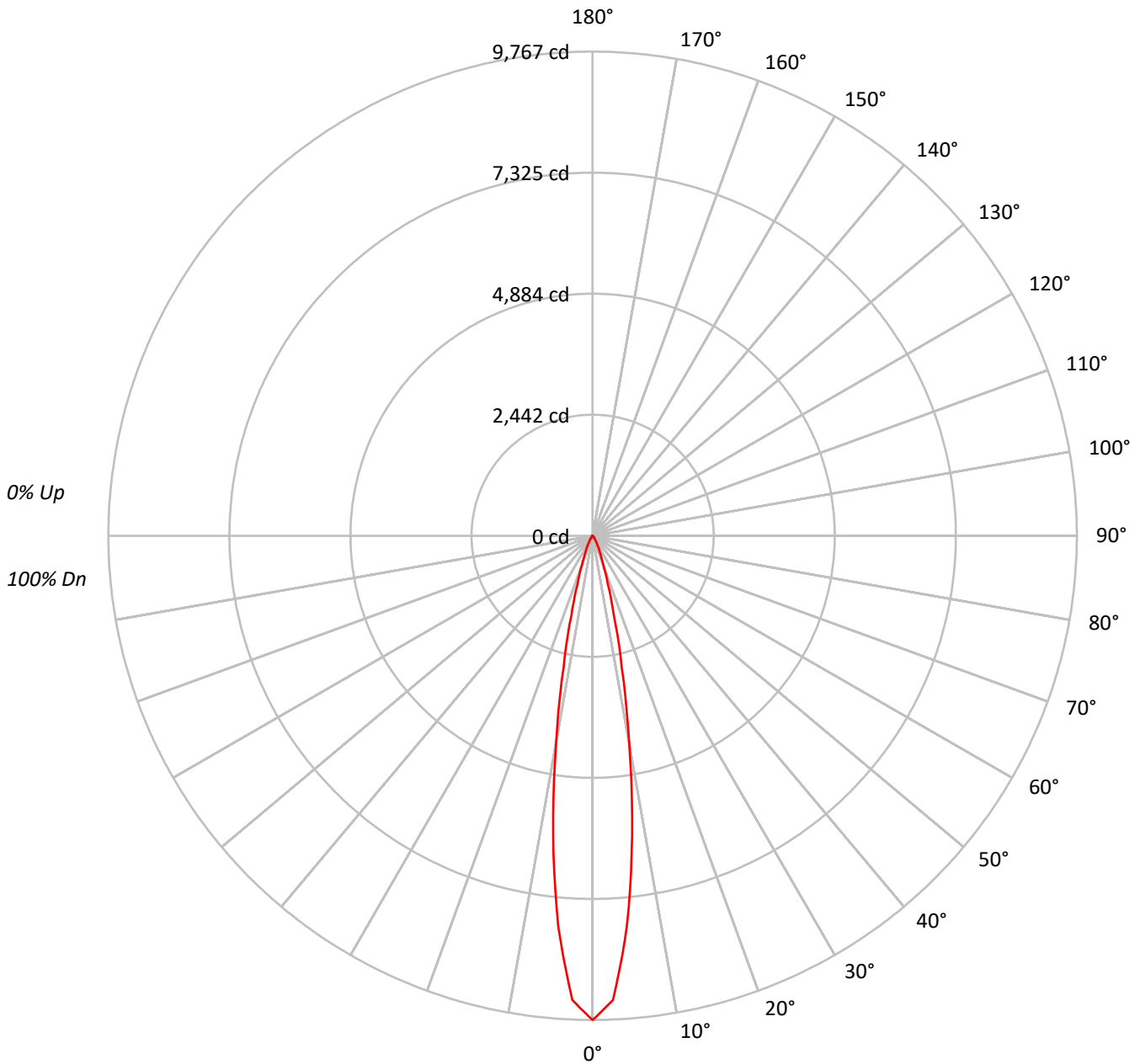
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264772

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL*MW

Luminous Intensity Polar Plot





TEST NUMBER: P264772

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL*MW

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	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									
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																			97									
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																			94									
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																			92									
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																			89									
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																			87									
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																			85									
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																			83									
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																			81									
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																			79									
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																			78									

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4818714
5°	3921955
10°	2118563
15°	844704
20°	338693
25°	162221
30°	84086
35°	44449
40°	24667
45°	15280
50°	10515
55°	7053
60°	5427
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264772

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.9	46.7
10°-20°	502.5	36.8
20°-30°	148.2	10.9
30°-40°	49.3	3.6
40°-50°	18.5	1.4
50°-60°	8.2	0.6
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°	1287.6	94.3
0°-40°	1336.9	97.9
0°-60°	1363.7	99.9
0°-90°	1365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9767	
5°	7919	637
15°	1654	502
25°	298	148
35°	74	49
45°	22	19
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264772

CATALOG NUMBER: LD2B15D010 EU2B1510SP158040 2LBDL*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9767.1
2.5°	9373.5
5°	7919.2
7.5°	6101.4
10°	4228.9
12.5°	2706.3
15°	1653.8
17.5°	1008.7
20°	645.1
22.5°	431.9
25°	298.0
27.5°	210.5
30°	147.6
32.5°	103.9
35°	73.8
37.5°	51.9
40°	38.3
42.5°	30.1
45°	21.9
47.5°	19.1
50°	13.7
52.5°	10.9
55°	8.2
57.5°	8.2
60°	5.5
62.5°	2.7
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)