

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: P264622

Luminaire Tested: **LD2B15D010 EU2B1510SP158027 2LBLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264622
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 EU2B1510SP158027 2LBLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1335.0 lumens
Efficiency: N/A
Efficacy: 93.4 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

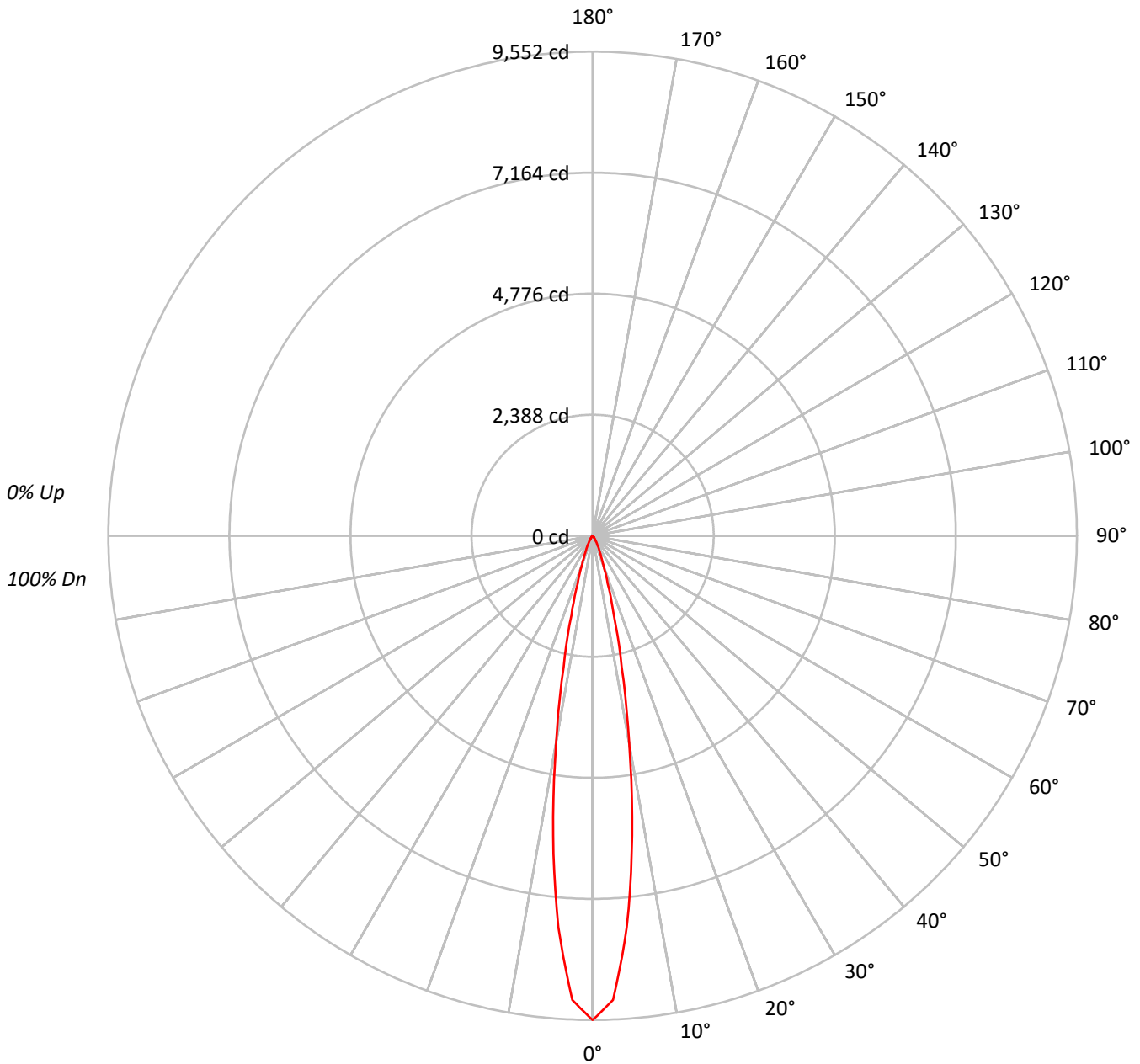
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264622

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P264622

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBLC*MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
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°	4712838
5°	3835782
10°	2071973
15°	826164
20°	331238
25°	158628
30°	82263
35°	43485
40°	24087
45°	14931
50°	10285
55°	6881
60°	5230
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264622

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.9	46.7
10°-20°	491.4	36.8
20°-30°	145.0	10.9
30°-40°	48.3	3.6
40°-50°	18.1	1.4
50°-60°	8.0	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°	1259.3	94.3
0°-40°	1307.5	97.9
0°-60°	1333.7	99.9
0°-90°	1335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9552	
5°	7745	623
15°	1618	491
25°	291	145
35°	72	48
45°	21	18
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264622

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9552.5
2.5°	9167.5
5°	7745.2
7.5°	5967.3
10°	4135.9
12.5°	2646.8
15°	1617.5
17.5°	986.5
20°	630.9
22.5°	422.4
25°	291.4
27.5°	205.9
30°	144.4
32.5°	101.6
35°	72.2
37.5°	50.8
40°	37.4
42.5°	29.4
45°	21.4
47.5°	18.7
50°	13.4
52.5°	10.7
55°	8.0
57.5°	8.0
60°	5.3
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)