

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: P264931

Luminaire Tested: **LD2B15D010 EU2B1510SP159027 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264931
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 EU2B1510SP159027 2LBDL*WMH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 950.0 lumens
Efficiency: N/A
Efficacy: 66.4 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

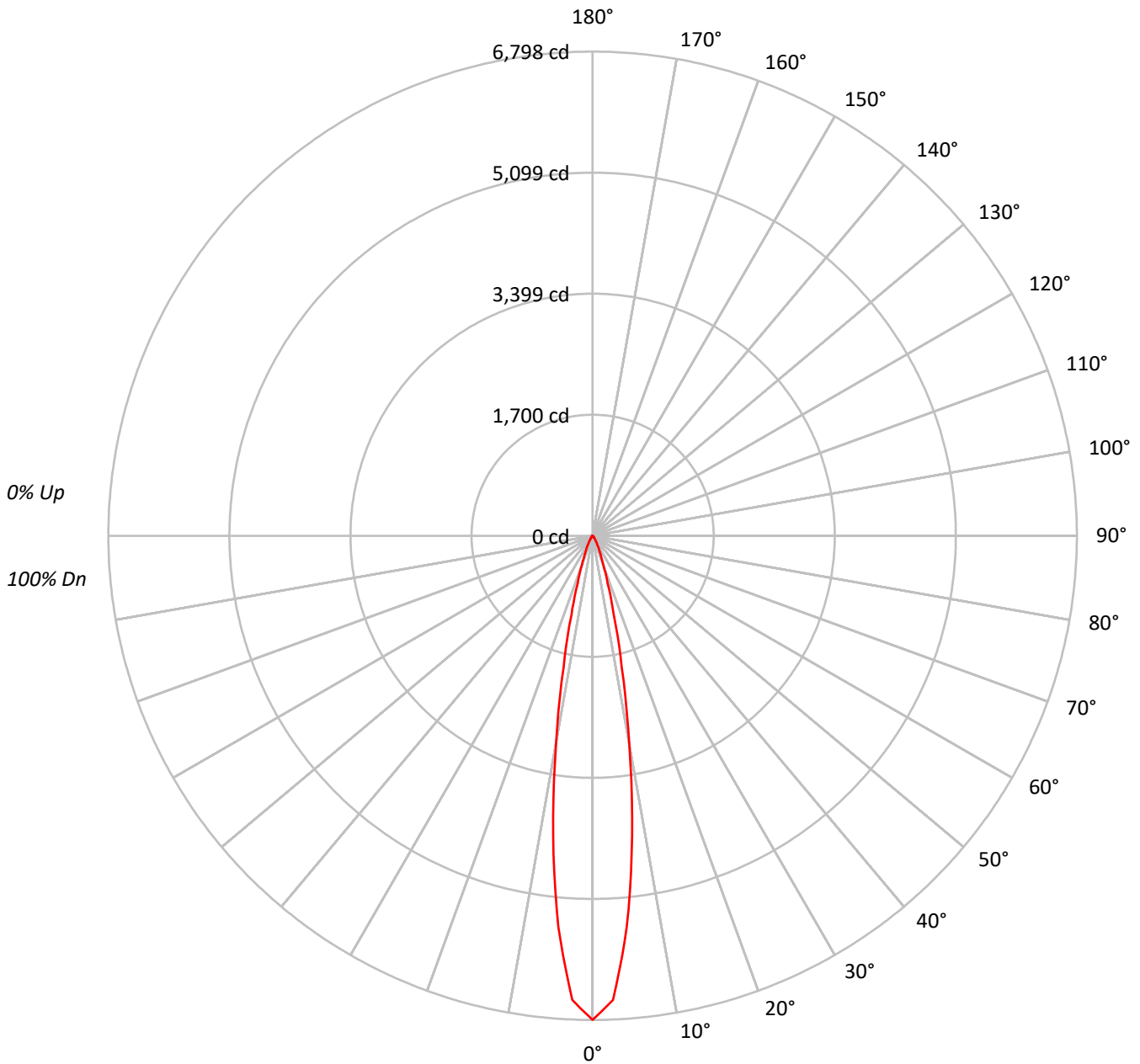
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264931

CATALOG NUMBER: LD2B15D010 EU2B1510SP159027 2LBDL*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P264931

CATALOG NUMBER: LD2B15D010 EU2B1510SP159027 2LBDL*WMH

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	106	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°	3353676
5°	2729550
10°	1474463
15°	587891
20°	235736
25°	112901
30°	58507
35°	30957
40°	17131
45°	10605
50°	7292
55°	4903
60°	3750
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264931

CATALOG NUMBER: LD2B15D010 EU2B1510SP159027 2LBDL*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.2	46.7
10°-20°	349.7	36.8
20°-30°	103.2	10.9
30°-40°	34.3	3.6
40°-50°	12.9	1.4
50°-60°	5.7	0.6
60°-70°	0.9	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°	896.1	94.3
0°-40°	930.5	97.9
0°-60°	949.1	99.9
0°-90°	950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6798	
5°	5512	443
15°	1151	350
25°	207	103
35°	51	34
45°	15	13
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264931

CATALOG NUMBER: LD2B15D010 EU2B1510SP159027 2LBDL*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	6797.6
2.5°	6523.7
5°	5511.5
7.5°	4246.4
10°	2943.2
12.5°	1883.5
15°	1151.0
17.5°	702.0
20°	449.0
22.5°	300.6
25°	207.4
27.5°	146.5
30°	102.7
32.5°	72.3
35°	51.4
37.5°	36.1
40°	26.6
42.5°	20.9
45°	15.2
47.5°	13.3
50°	9.5
52.5°	7.6
55°	5.7
57.5°	5.7
60°	3.8
62.5°	1.9
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)