

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: P264296

Luminaire Tested: **LD2B10D010 EU2B1010SP159030 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264296
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: LD2B10D010 EU2B1010SP159030 2LBDC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 742.0 lumens
Efficiency: N/A
Efficacy: 72.0 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

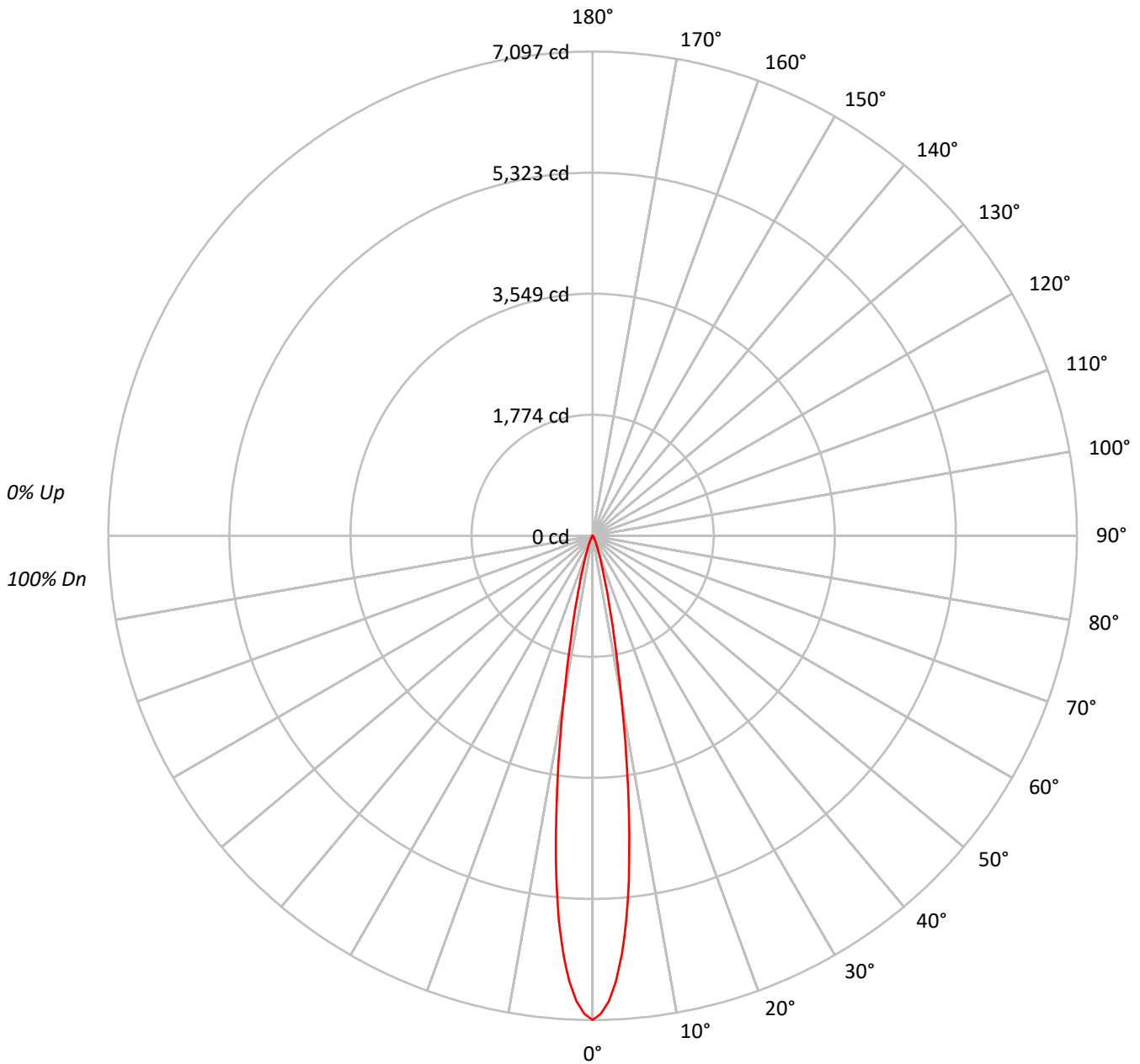
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264296

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P264296

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3501191
5°	2806363
10°	1224878
15°	379601
20°	132306
25°	58465
30°	26433
35°	13732
40°	7857
45°	3698
50°	2303
55°	1290
60°	789
65°	934
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264296

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.3	58.0
10°-20°	235.7	31.8
20°-30°	53.7	7.2
30°-40°	15.4	2.1
40°-50°	4.8	0.6
50°-60°	1.4	0.2
60°-70°	0.7	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°	719.7	97.0
0°-40°	735.1	99.1
0°-60°	741.3	99.9
0°-90°	742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7097	
5°	5667	430
15°	743	236
25°	107	54
35°	23	15
45°	5	5
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264296

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	7096.6
1°	7008.3
2°	6824.8
3°	6540.0
4°	6148.6
5°	5666.6
6°	5075.8
7°	4415.6
8°	3726.5
9°	3059.5
10°	2445.0
11°	1924.9
12°	1515.3
13°	1192.4
14°	941.9
15°	743.2
16°	586.3
17°	466.8
18°	375.4
19°	305.3
20°	252.0
22.5°	162.9
25°	107.4
26°	90.6
27°	76.9
28°	64.7
29°	54.1
30°	46.4
32.5°	32.0
35°	22.8
37.5°	16.8
40°	12.2
42.5°	8.4
45°	5.3
47.5°	3.8
50°	3.0
52.5°	2.3
55°	1.5
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8



TEST NUMBER: P264296

CATALOG NUMBER: LD2B10D010 EU2B1010SP159030 2LBDC*MB

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)