

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: P264763

Luminaire Tested: **LD2B10D010 EU2B1010SP158040 2LBDL*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264763
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: LD2B10D010 EU2B1010SP158040 2LBDL*B
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.9 lumens
Efficiency: N/A
Efficacy: 95.7 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

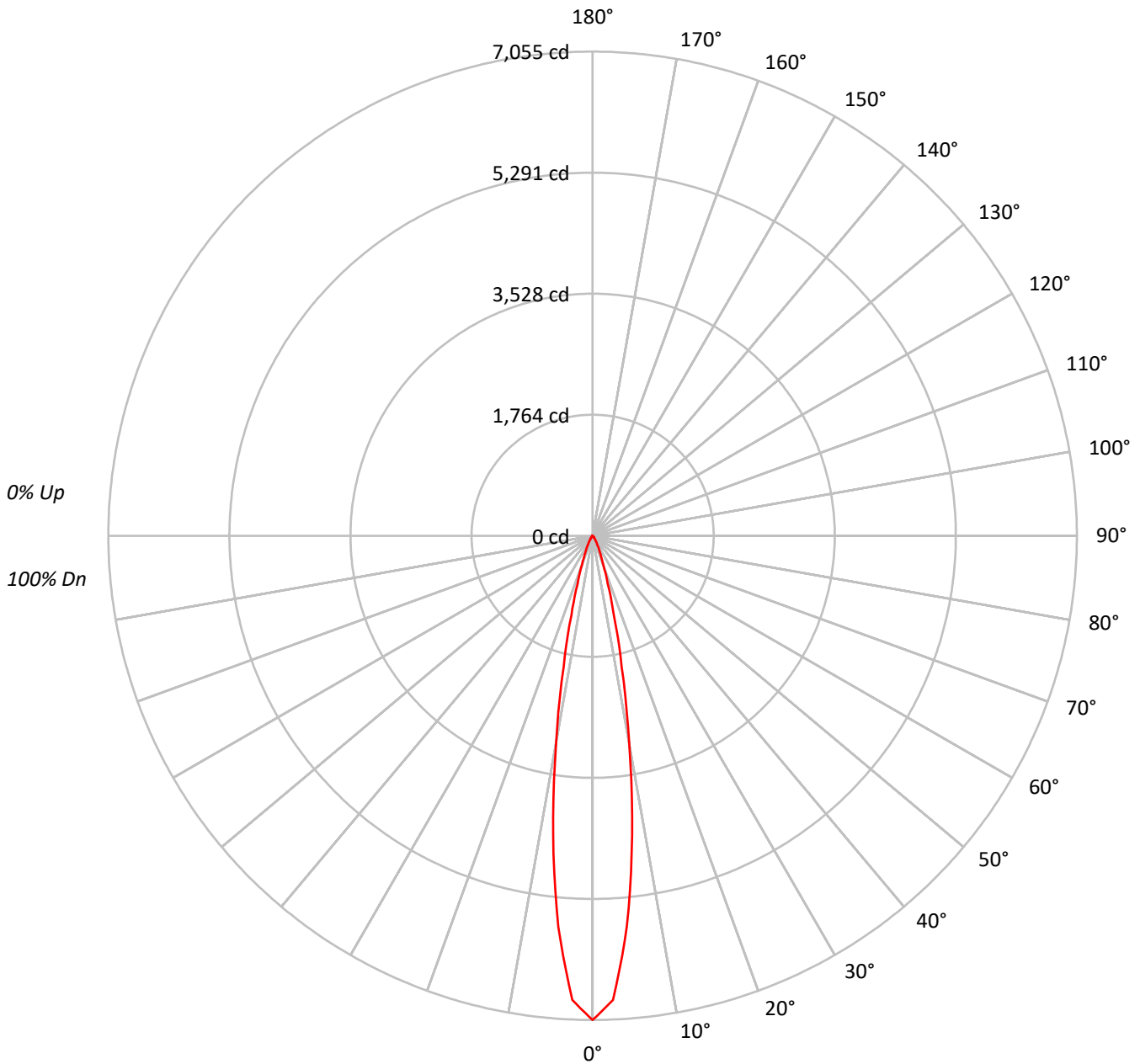
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264763

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDL*B

Luminous Intensity Polar Plot





TEST NUMBER: P264763

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDL*B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3480766
5°	2833007
10°	1530321
15°	610161
20°	244661
25°	117147
30°	60728
35°	32102
40°	17775
45°	11024
50°	7599
55°	5075
60°	3848
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264763

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDL*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.0	46.7
10°-20°	363.0	36.8
20°-30°	107.1	10.9
30°-40°	35.6	3.6
40°-50°	13.4	1.4
50°-60°	5.9	0.6
60°-70°	1.0	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°	930.1	94.3
0°-40°	965.7	97.9
0°-60°	985.0	99.9
0°-90°	985.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7055	
5°	5720	460
15°	1195	363
25°	215	107
35°	53	36
45°	16	13
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264763

CATALOG NUMBER: LD2B10D010 EU2B1010SP158040 2LBDL*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	7055.2
2.5°	6770.9
5°	5720.4
7.5°	4407.3
10°	3054.7
12.5°	1954.8
15°	1194.6
17.5°	728.6
20°	466.0
22.5°	312.0
25°	215.2
27.5°	152.0
30°	106.6
32.5°	75.0
35°	53.3
37.5°	37.5
40°	27.6
42.5°	21.7
45°	15.8
47.5°	13.8
50°	9.9
52.5°	7.9
55°	5.9
57.5°	5.9
60°	3.9
62.5°	2.0
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)