

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: P225385

Luminaire Tested: **LD2B10D010 EU2B10FL408040 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL408040 2LBDC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1068.7 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

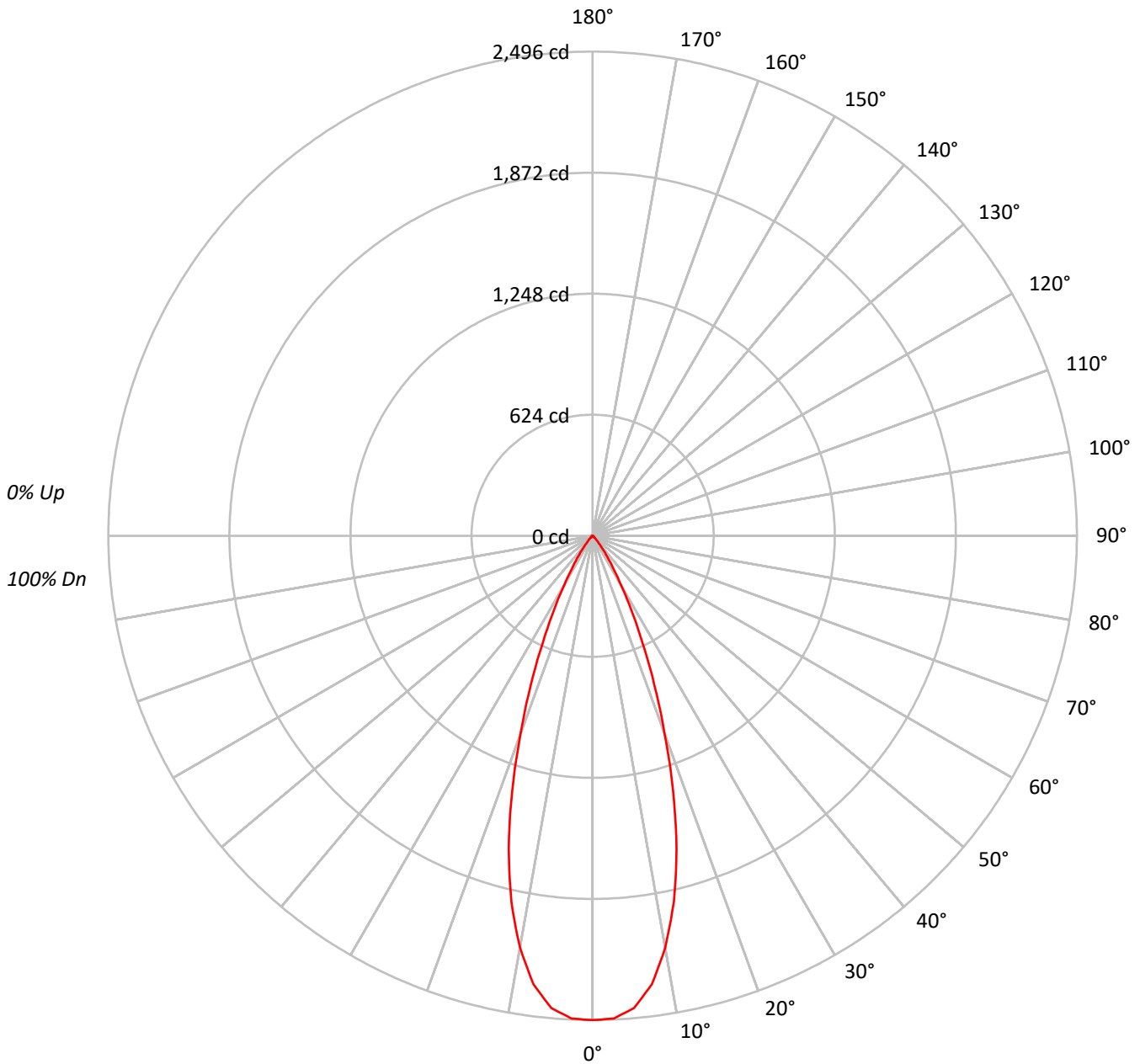
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225385

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P225385

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDC*MB

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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91				91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87				87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83				83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79				79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76				76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72				72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69				69
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67				67
10	82	74	69	66	81	73	69	66	73	68	65	72	68	65	71	68	65	64				64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966971
5°	950134
10°	847608
15°	669968
20°	446707
25°	259169
30°	129708
35°	60999
40°	23866
45°	10627
50°	5002
55°	2836
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225385

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	21.0
10°-20°	452.2	42.3
20°-30°	284.5	26.6
30°-40°	87.0	8.1
40°-50°	17.1	1.6
50°-60°	3.9	0.4
60°-70°	0.2	0.0
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°	960.7	89.9
0°-40°	1047.6	98.0
0°-60°	1068.5	100.0
0°-90°	1068.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2496	
5°	2444	224
15°	1671	452
25°	606	284
35°	129	87
45°	19	17
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225385

CATALOG NUMBER: LD2B10D010 EU2B10FL408040 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	2496.4
2.5°	2490.8
5°	2443.6
7.5°	2332.6
10°	2155.0
12.5°	1933.0
15°	1670.7
17.5°	1379.3
20°	1083.7
22.5°	831.2
25°	606.4
27.5°	427.4
30°	290.0
32.5°	195.7
35°	129.0
37.5°	79.1
40°	47.2
42.5°	30.5
45°	19.4
47.5°	12.5
50°	8.3
52.5°	5.6
55°	4.2
57.5°	2.8
60°	1.4
62.5°	0.0
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)