

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: P224574

Luminaire Tested: **LD2B10D010 EU2B10FL409040 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409040 2LBDL*GPH
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.2 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

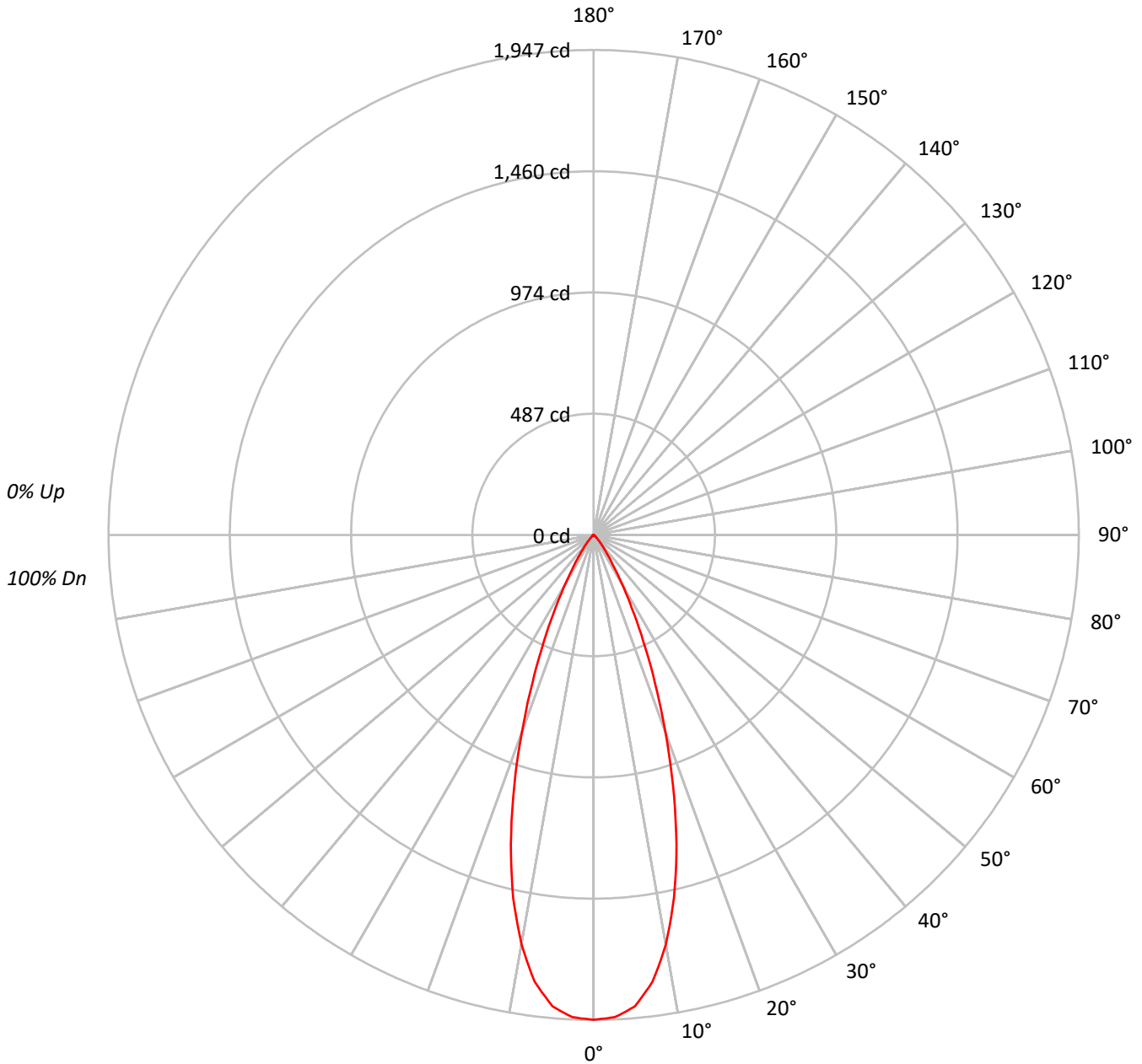
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224574

CATALOG NUMBER: LD2B10D010 EU2B10FL409040 2LBDL*GPH

Luminous Intensity Polar Plot





TEST NUMBER: P224574

CATALOG NUMBER: LD2B10D010 EU2B10FL409040 2LBDL*GPH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	754046
5°	738769
10°	656453
15°	515057
20°	346376
25°	201557
30°	100949
35°	47097
40°	21945
45°	9312
50°	4459
55°	2836
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224574

CATALOG NUMBER: LD2B10D010 EU2B10FL409040 2LBDL*GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	20.9
10°-20°	348.6	41.9
20°-30°	220.4	26.5
30°-40°	68.6	8.2
40°-50°	15.3	1.8
50°-60°	3.9	0.5
60°-70°	0.5	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°	743.0	89.4
0°-40°	811.6	97.6
0°-60°	830.7	99.9
0°-90°	831.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1947	
5°	1900	174
15°	1284	349
25°	472	220
35°	100	69
45°	17	15
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224574

CATALOG NUMBER: LD2B10D010 EU2B10FL409040 2LBDL*GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1946.7
2.5°	1938.2
5°	1900.0
7.5°	1810.0
10°	1669.0
12.5°	1491.0
15°	1284.4
17.5°	1060.8
20°	840.3
22.5°	642.2
25°	471.6
27.5°	330.6
30°	225.7
32.5°	149.4
35°	99.6
37.5°	66.8
40°	43.4
42.5°	26.5
45°	17.0
47.5°	11.7
50°	7.4
52.5°	5.3
55°	4.2
57.5°	3.2
60°	2.1
62.5°	1.1
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)