

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: P283953

Luminaire Tested: **LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.8 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

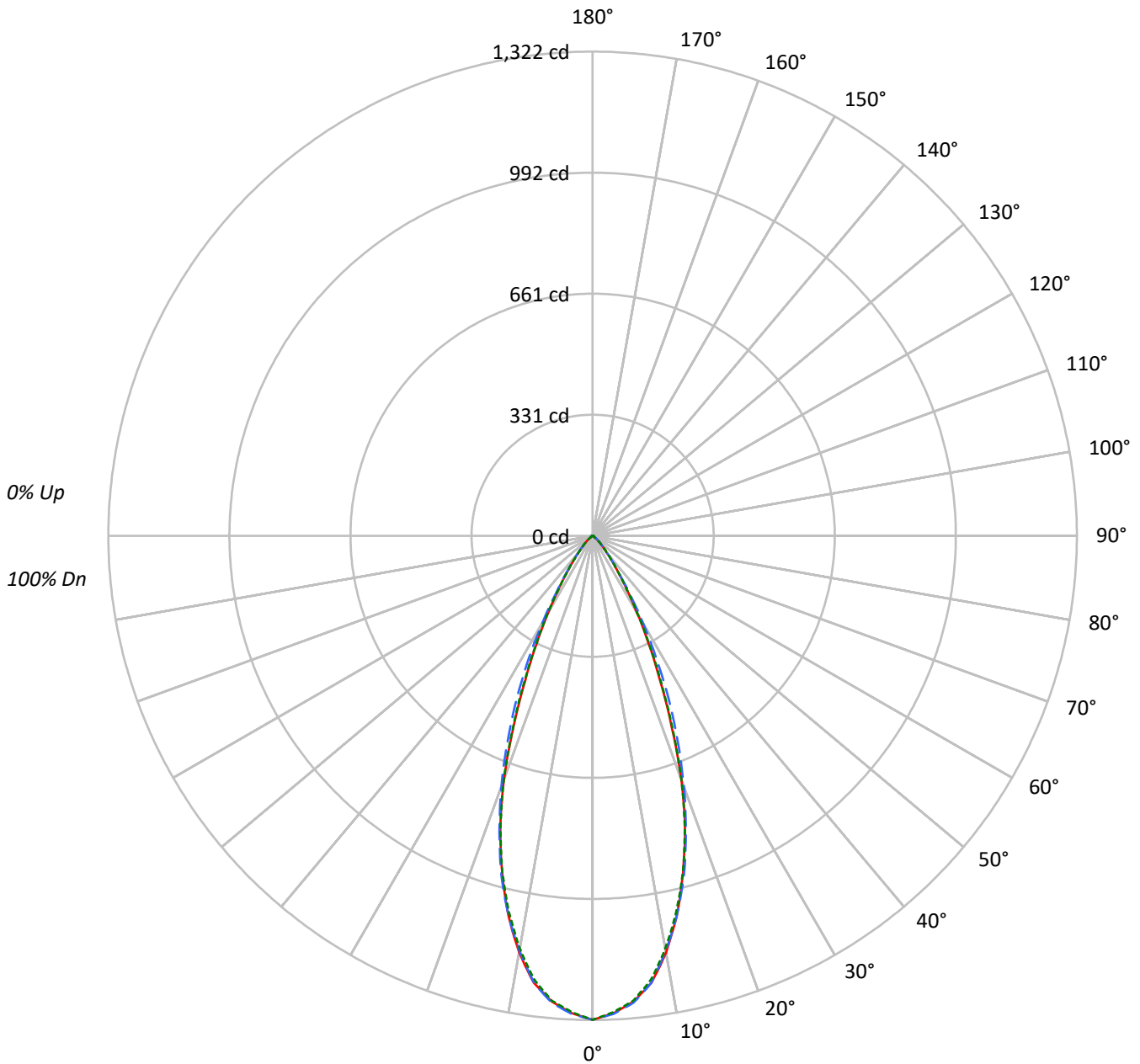
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283953

CATALOG NUMBER: LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB

Luminous Intensity Polar Plot





TEST NUMBER: P283953

CATALOG NUMBER: LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	651978	651978	651978
5°	632380	633915	631043
10°	578824	576519	573063
15°	486913	491408	486096
20°	372347	382218	371717
25°	236418	266575	241045
30°	137522	155239	139915
35°	72696	77333	72937
40°	38385	40124	38385
45°	21490	22257	21699
50°	10055	12664	10055
55°	3613	6967	3957
60°	4144	4144	4144
65°	4436	4903	4436
70°	5481	5049	5481
75°	5147	5147	5147
80°	5398	4262	5398
85°	4529	4529	4529



TEST NUMBER: P283953

CATALOG NUMBER: LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	16.5
10°-20°	262.6	36.6
20°-30°	212.1	29.6
30°-40°	83.8	11.7
40°-50°	25.7	3.6
50°-60°	6.6	0.9
60°-70°	4.0	0.6
70°-80°	2.9	0.4
80°-90°	0.9	0.1
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°	592.7	82.7
0°-40°	676.6	94.4
0°-60°	708.9	98.9
0°-90°	716.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1277	1279	1280	1277	1274	118
15°	953	956	962	958	952	262
25°	434	455	490	464	443	202
35°	121	124	128	124	121	81
45°	31	31	32	32	31	25
55°	4	6	8	6	5	5
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P283953

CATALOG NUMBER: LDA2B109730D010 EU2B10WFL559730 2LBAPINSQ1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1321.5	1321.5	1321.5	1321.5	1321.5
2.5°	1305.0	1305.7	1306.9	1305.3	1301.5
5°	1276.9	1279.2	1280.0	1277.3	1274.2
7.5°	1230.8	1228.1	1230.4	1225.8	1221.9
10°	1155.4	1152.0	1150.8	1143.9	1143.9
12.5°	1062.4	1061.3	1062.0	1058.6	1053.2
15°	953.3	955.9	962.1	958.3	951.7
17.5°	837.6	841.4	846.8	845.6	836.8
20°	709.2	720.3	728.0	720.7	708.0
22.5°	563.1	586.9	606.5	591.2	570.4
25°	434.3	455.1	489.7	463.6	442.8
27.5°	329.4	344.4	375.9	350.2	335.9
30°	241.4	250.6	272.5	255.6	245.6
32.5°	172.6	179.1	188.3	178.4	173.4
35°	120.7	124.2	128.4	124.5	121.1
37.5°	84.9	86.1	89.2	86.1	84.6
40°	59.6	60.0	62.3	60.3	59.6
42.5°	43.1	43.1	44.2	43.4	43.1
45°	30.8	31.1	31.9	31.5	31.1
47.5°	21.9	22.7	22.7	23.1	21.5
50°	13.1	16.1	16.5	16.1	13.1
52.5°	6.9	9.6	11.9	9.6	6.9
55°	4.2	5.8	8.1	5.8	4.6
57.5°	4.2	4.2	5.4	4.6	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.8	4.2	4.2	4.2	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.8	3.8	3.5	3.8	3.8
72.5°	3.5	3.5	3.1	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.5	1.9	1.9
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)