

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: P283911

Luminaire Tested: **LDA2B109024D010 EU2B10WFL559024 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283911
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: LDA2B109024D010 EU2B10WFL559024 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: 694.6 lumens
Efficiency: N/A
Efficacy: 69.5 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

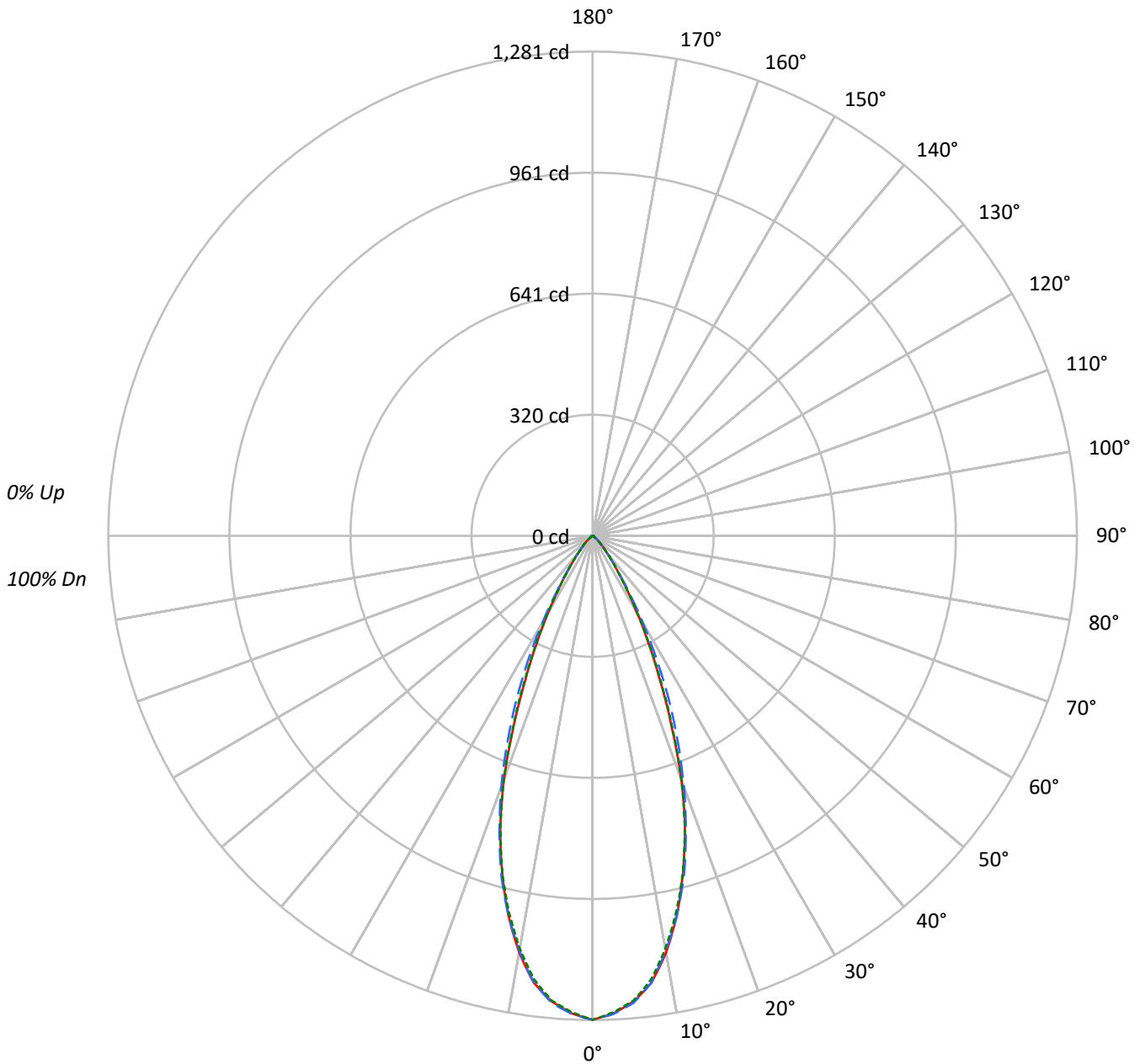
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283911

CATALOG NUMBER: LDA2B109024D010 EU2B10WFL559024 2LBAPINSQ1MB

Luminous Intensity Polar Plot





TEST NUMBER: P283911

CATALOG NUMBER: LDA2B109024D010 EU2B10WFL559024 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°	631848	631848	631848
5°	612867	614353	611580
10°	560989	558735	555378
15°	471845	476238	471130
20°	360849	370405	360272
25°	229123	258355	233587
30°	133249	150454	135585
35°	70467	74924	70648
40°	37161	38835	37161
45°	20792	21560	21071
50°	9748	12281	9748
55°	3527	6709	3871
60°	4046	4046	4046
65°	4319	4786	4319
70°	5337	4904	5337
75°	4956	4956	4956
80°	5398	4262	5398
85°	3962	3962	3962



TEST NUMBER: P283911

CATALOG NUMBER: LDA2B109024D010 EU2B10WFL559024 2LBAPINSQ1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	16.5
10°-20°	254.5	36.6
20°-30°	205.6	29.6
30°-40°	81.2	11.7
40°-50°	24.9	3.6
50°-60°	6.4	0.9
60°-70°	3.9	0.6
70°-80°	2.9	0.4
80°-90°	0.8	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°	574.4	82.7
0°-40°	655.7	94.4
0°-60°	687.0	98.9
0°-90°	694.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1281	1281	1281	1281	1281	
5°	1238	1240	1240	1238	1235	115
15°	924	926	932	929	922	254
25°	421	441	475	449	429	196
35°	117	120	124	121	117	78
45°	30	30	31	30	30	24
55°	4	6	8	6	4	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: P283911

CATALOG NUMBER: LDA2B109024D010 EU2B10WFL559024 2LBAPINSQ1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1280.7	1280.7	1280.7	1280.7	1280.7
2.5°	1264.7	1265.4	1266.6	1265.1	1261.3
5°	1237.5	1239.7	1240.5	1237.9	1234.9
7.5°	1192.8	1190.2	1192.4	1188.0	1184.2
10°	1119.8	1116.4	1115.3	1108.6	1108.6
12.5°	1029.6	1028.5	1029.3	1025.9	1020.7
15°	923.8	926.5	932.4	928.7	922.4
17.5°	811.7	815.4	820.7	819.5	811.0
20°	687.3	698.1	705.5	698.5	686.2
22.5°	545.7	568.8	587.8	572.9	552.8
25°	420.9	441.1	474.6	449.3	429.1
27.5°	319.2	333.8	364.3	339.4	325.6
30°	233.9	242.9	264.1	247.7	238.0
32.5°	167.3	173.6	182.5	172.8	168.0
35°	117.0	120.3	124.4	120.7	117.3
37.5°	82.3	83.4	86.4	83.4	82.0
40°	57.7	58.1	60.3	58.5	57.7
42.5°	41.7	41.7	42.8	42.1	41.7
45°	29.8	30.2	30.9	30.5	30.2
47.5°	21.2	22.0	22.0	22.4	20.9
50°	12.7	15.6	16.0	15.6	12.7
52.5°	6.7	9.3	11.5	9.3	6.7
55°	4.1	5.6	7.8	5.6	4.5
57.5°	4.1	4.1	5.2	4.5	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	3.7	4.1	4.1	4.1	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.4	3.7	3.7
72.5°	3.4	3.4	3.0	3.4	3.4
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.9	1.9	1.5	1.9	1.9
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.7	0.7	0.7	0.7	0.7
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)