

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: P283891

Luminaire Tested: **LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283891
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: LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 914.2 lumens
Efficiency: N/A
Efficacy: 91.4 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

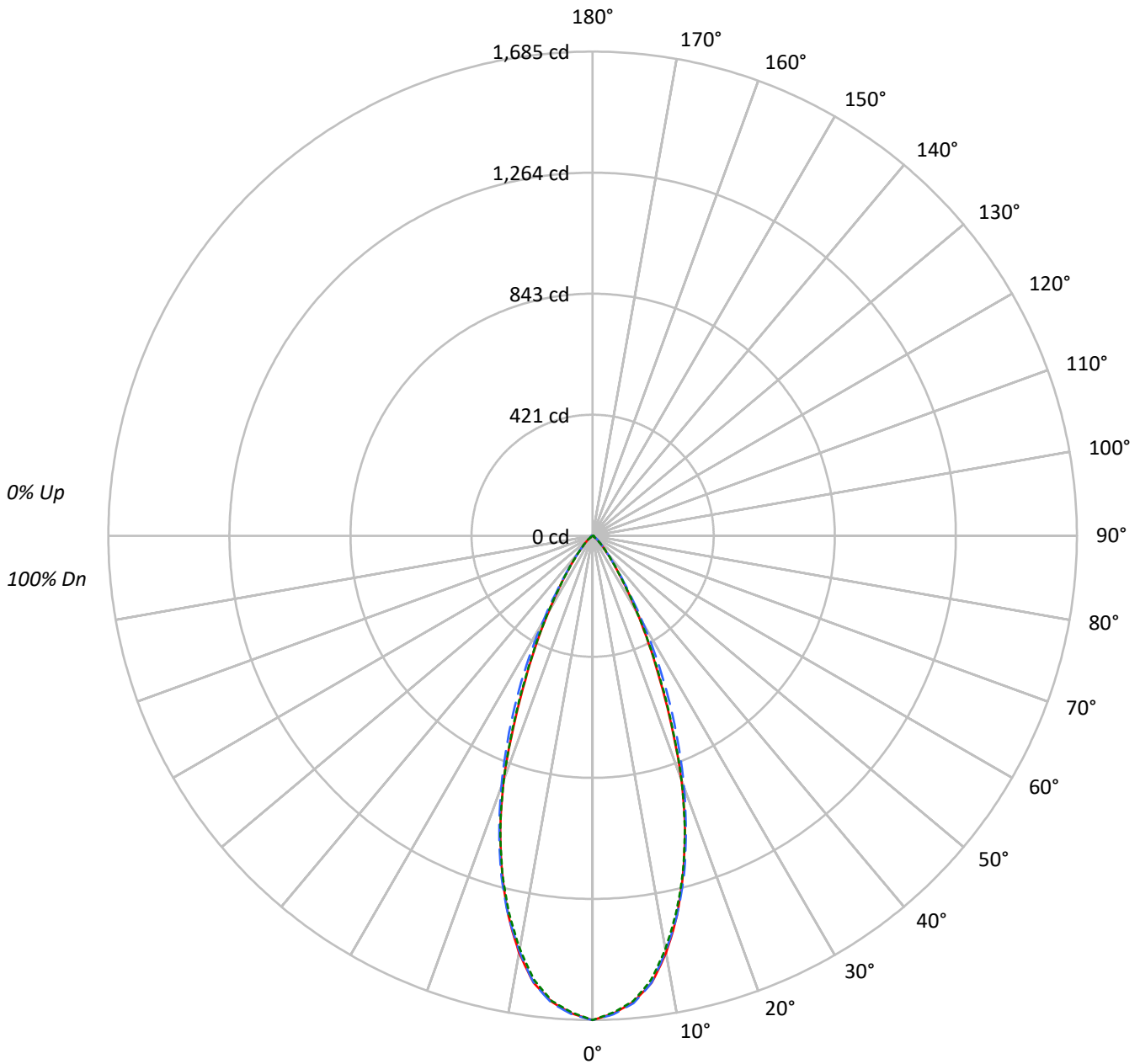
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283891

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P283891

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS

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°	831512	831512	831512
5°	806509	808490	804825
10°	738233	735278	730869
15°	620989	626710	619967
20°	474885	487485	474097
25°	301578	340010	307403
30°	175406	198023	178482
35°	92691	98594	92993
40°	48947	51137	48947
45°	27351	28397	27699
50°	12818	16195	12818
55°	4645	8860	5075
60°	5328	5328	5328
65°	5720	6304	5720
70°	7068	6347	7068
75°	6481	6481	6481
80°	7103	5682	7103
85°	5661	5661	5661



TEST NUMBER: P283891

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	16.5
10°-20°	335.0	36.6
20°-30°	270.5	29.6
30°-40°	106.9	11.7
40°-50°	32.8	3.6
50°-60°	8.5	0.9
60°-70°	5.1	0.6
70°-80°	3.7	0.4
80°-90°	1.1	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°	756.0	82.7
0°-40°	862.9	94.4
0°-60°	904.2	98.9
0°-90°	914.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1685	1685	1685	1685	1685	
5°	1628	1632	1632	1629	1625	151
15°	1216	1219	1227	1222	1214	334
25°	554	580	625	591	565	258
35°	154	158	164	159	154	103
45°	39	40	41	40	40	32
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P283891

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1685.4	1685.4	1685.4	1685.4	1685.4
2.5°	1664.3	1665.3	1666.8	1664.8	1659.9
5°	1628.5	1631.5	1632.5	1629.0	1625.1
7.5°	1569.7	1566.3	1569.2	1563.3	1558.4
10°	1473.6	1469.2	1467.7	1458.9	1458.9
12.5°	1355.0	1353.5	1354.5	1350.1	1343.2
15°	1215.8	1219.2	1227.0	1222.1	1213.8
17.5°	1068.2	1073.1	1080.0	1078.5	1067.2
20°	904.5	918.7	928.5	919.2	903.0
22.5°	718.2	748.6	773.6	754.0	727.5
25°	554.0	580.4	624.6	591.2	564.7
27.5°	420.1	439.2	479.4	446.6	428.5
30°	307.9	319.6	347.6	326.0	313.3
32.5°	220.1	228.4	240.2	227.5	221.1
35°	153.9	158.3	163.7	158.8	154.4
37.5°	108.3	109.8	113.7	109.8	107.9
40°	76.0	76.5	79.4	77.0	76.0
42.5°	54.9	54.9	56.4	55.4	54.9
45°	39.2	39.7	40.7	40.2	39.7
47.5°	27.9	28.9	28.9	29.4	27.5
50°	16.7	20.6	21.1	20.6	16.7
52.5°	8.8	12.3	15.2	12.3	8.8
55°	5.4	7.4	10.3	7.4	5.9
57.5°	5.4	5.4	6.9	5.9	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.9	5.4	5.4	5.4	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.4	4.9	4.9
72.5°	4.4	4.4	3.9	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.5	2.5	2.0	2.5	2.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5
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)