

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: P284032

Luminaire Tested: **LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284032
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: LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 913.4 lumens
Efficiency: N/A
Efficacy: 64.8 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

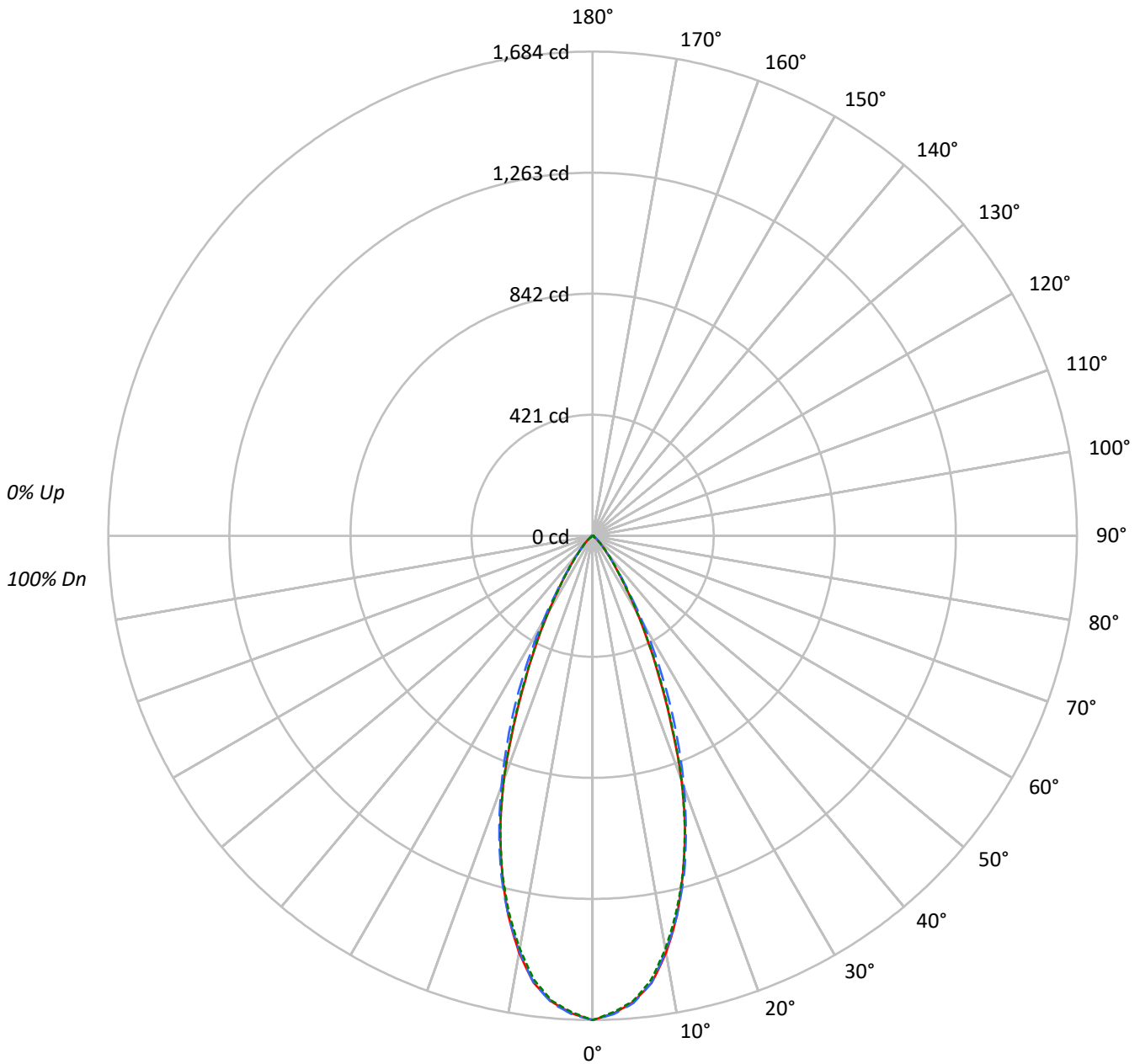
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284032

CATALOG NUMBER: LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P284032

CATALOG NUMBER: LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	830871	830871	830871
5°	805865	807846	804181
10°	737632	734727	730318
15°	620478	626250	619457
20°	474465	487065	473730
25°	301306	339738	307185
30°	175235	197852	178311
35°	92631	98534	92932
40°	48882	51137	48882
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°	6819	5682	6819
85°	5661	5661	5661



TEST NUMBER: P284032

CATALOG NUMBER: LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.3	16.5
10°-20°	334.7	36.6
20°-30°	270.3	29.6
30°-40°	106.8	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°	755.4	82.7
0°-40°	862.2	94.4
0°-60°	903.5	98.9
0°-90°	913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1627	1630	1631	1628	1624	151
15°	1215	1218	1226	1221	1213	334
25°	554	580	624	591	564	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: P284032

CATALOG NUMBER: LDA2B159727D010 EU2B15WFL559727 2LBAPINSQ1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1684.1	1684.1	1684.1	1684.1	1684.1
2.5°	1663.0	1664.0	1665.4	1663.5	1658.6
5°	1627.2	1630.2	1631.2	1627.7	1623.8
7.5°	1568.5	1565.0	1568.0	1562.1	1557.2
10°	1472.4	1468.0	1466.6	1457.8	1457.8
12.5°	1353.9	1352.4	1353.4	1349.0	1342.1
15°	1214.8	1218.2	1226.1	1221.2	1212.8
17.5°	1067.4	1072.3	1079.1	1077.6	1066.4
20°	903.7	918.0	927.7	918.4	902.3
22.5°	717.6	748.0	773.0	753.4	726.9
25°	553.5	580.0	624.1	590.7	564.3
27.5°	419.8	438.9	479.1	446.2	428.1
30°	307.6	319.4	347.3	325.7	313.0
32.5°	219.9	228.3	240.0	227.3	220.9
35°	153.8	158.2	163.6	158.7	154.3
37.5°	108.3	109.7	113.6	109.7	107.8
40°	75.9	76.4	79.4	76.9	75.9
42.5°	54.9	54.9	56.3	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	27.4
50°	16.7	20.6	21.1	20.6	16.7
52.5°	8.8	12.2	15.2	12.2	8.8
55°	5.4	7.3	10.3	7.3	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°	2.4	2.4	2.0	2.4	2.4
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)