

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: P284039

Luminaire Tested: **LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284039
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: LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 920.0 lumens
Efficiency: N/A
Efficacy: 65.3 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

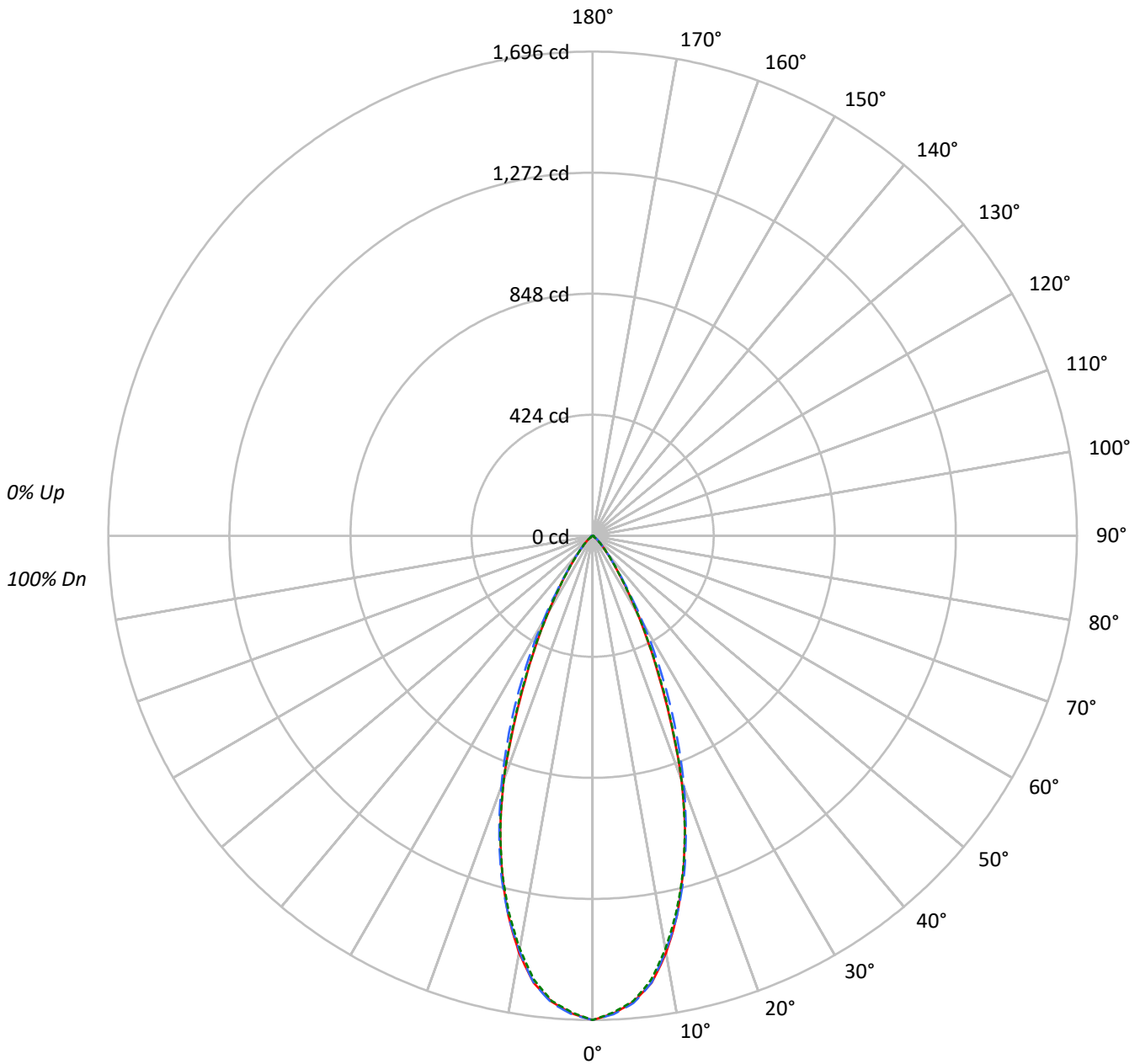
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284039

CATALOG NUMBER: LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW

Luminous Intensity Polar Plot





TEST NUMBER: P284039

CATALOG NUMBER: LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
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°	836890	836890	836890
5°	811709	813690	810025
10°	742993	740037	735578
15°	624973	630745	623951
20°	477930	490636	477142
25°	303483	342188	309417
30°	176488	199276	179622
35°	93294	99256	93595
40°	49269	51459	49269
45°	27560	28606	27909
50°	12895	16272	12895
55°	4645	8946	5075
60°	5328	5328	5328
65°	5720	6304	5720
70°	7068	6347	7068
75°	6672	6672	6672
80°	7103	5682	7103
85°	5661	5661	5661



TEST NUMBER: P284039

CATALOG NUMBER: LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	16.5
10°-20°	337.1	36.6
20°-30°	272.3	29.6
30°-40°	107.6	11.7
40°-50°	33.1	3.6
50°-60°	8.5	0.9
60°-70°	5.1	0.6
70°-80°	3.8	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°	760.8	82.7
0°-40°	868.4	94.4
0°-60°	910.0	98.9
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1696	1696	1696	1696	1696	
5°	1639	1642	1643	1640	1636	152
15°	1224	1227	1235	1230	1222	336
25°	558	584	629	595	568	260
35°	155	159	165	160	155	104
45°	40	40	41	40	40	32
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P284039

CATALOG NUMBER: LDA2B159730D010 EU2B15WFL559730 2LBALPINSQ1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1696.3	1696.3	1696.3	1696.3	1696.3
2.5°	1675.0	1676.0	1677.5	1675.5	1670.6
5°	1639.0	1642.0	1643.0	1639.5	1635.6
7.5°	1579.8	1576.4	1579.3	1573.4	1568.5
10°	1483.1	1478.7	1477.2	1468.3	1468.3
12.5°	1363.7	1362.2	1363.2	1358.8	1351.9
15°	1223.6	1227.0	1234.9	1230.0	1221.6
17.5°	1075.1	1080.0	1086.9	1085.4	1074.1
20°	910.3	924.6	934.5	925.1	908.8
22.5°	722.8	753.4	778.6	758.8	732.2
25°	557.5	584.2	628.6	595.0	568.4
27.5°	422.8	442.1	482.5	449.5	431.2
30°	309.8	321.7	349.8	328.1	315.3
32.5°	221.5	229.9	241.8	228.9	222.5
35°	154.9	159.4	164.8	159.9	155.4
37.5°	109.0	110.5	114.5	110.5	108.5
40°	76.5	77.0	79.9	77.5	76.5
42.5°	55.3	55.3	56.7	55.8	55.3
45°	39.5	40.0	41.0	40.5	40.0
47.5°	28.1	29.1	29.1	29.6	27.6
50°	16.8	20.7	21.2	20.7	16.8
52.5°	8.9	12.3	15.3	12.3	8.9
55°	5.4	7.4	10.4	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°	3.5	3.5	3.5	3.5	3.5
77.5°	3.0	3.0	3.0	3.0	3.0
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)