

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: P283994

Luminaire Tested: **LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283994
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: LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 951.3 lumens
Efficiency: N/A
Efficacy: 67.5 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

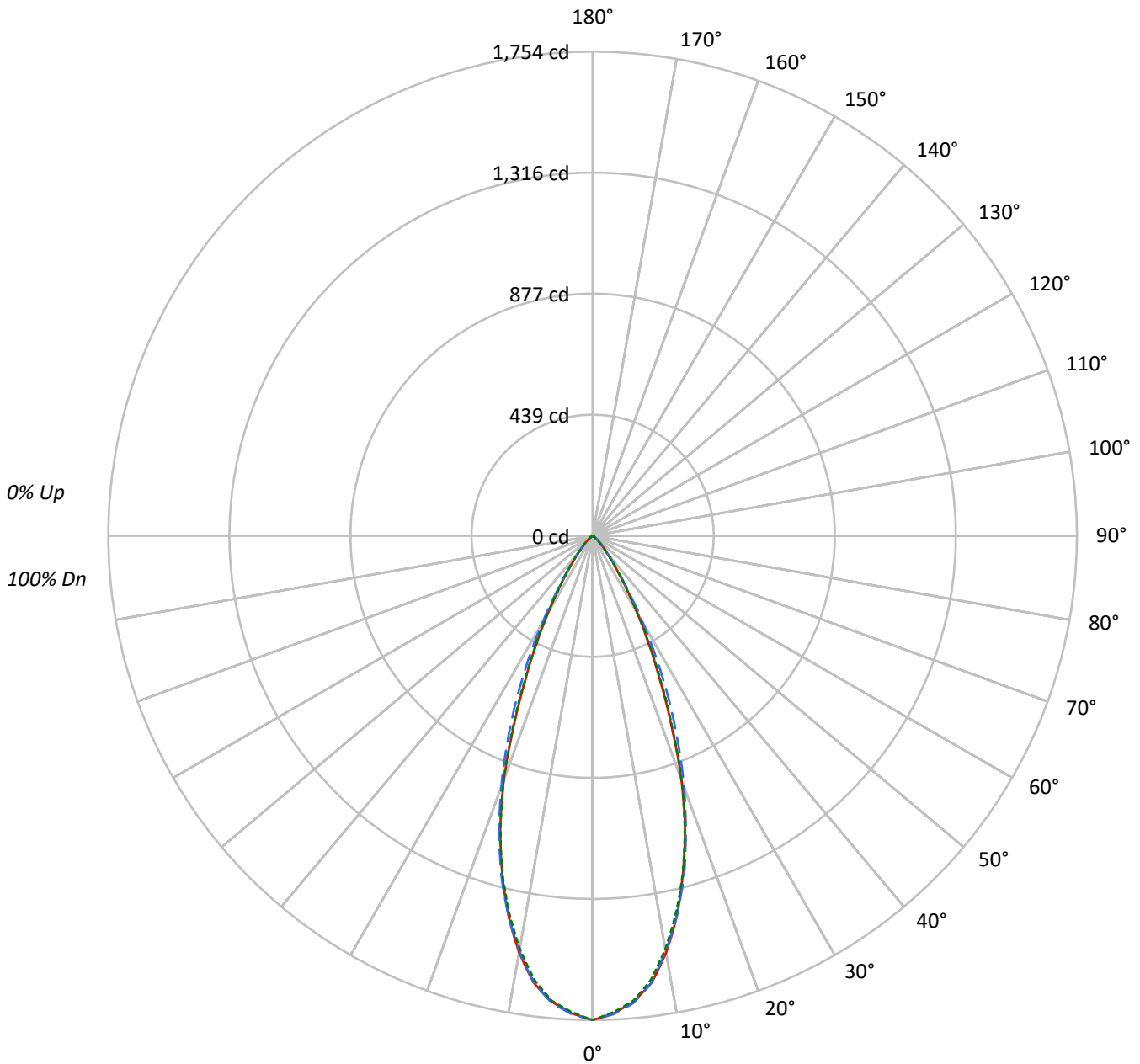
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283994

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW

Luminous Intensity Polar Plot





TEST NUMBER: P283994

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW

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°	865357	865357	865357
5°	839344	841374	837561
10°	768292	765186	760627
15°	646221	652248	645199
20°	494206	507331	493366
25°	313826	353837	319923
30°	182527	206055	185717
35°	96486	102629	96787
40°	50943	53198	50943
45°	28467	29514	28816
50°	13278	16809	13278
55°	4817	9204	5247
60°	5526	5526	5526
65°	5954	6537	5954
70°	7357	6635	7357
75°	6862	6862	6862
80°	7387	5682	7387
85°	5661	5661	5661



TEST NUMBER: P283994

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	16.5
10°-20°	348.6	36.6
20°-30°	281.5	29.6
30°-40°	111.3	11.7
40°-50°	34.2	3.6
50°-60°	8.8	0.9
60°-70°	5.3	0.6
70°-80°	3.9	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°	786.7	82.7
0°-40°	898.0	94.4
0°-60°	940.9	98.9
0°-90°	951.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1754	1754	1754	1754	1754	
5°	1695	1698	1699	1695	1691	157
15°	1265	1269	1277	1272	1263	347
25°	576	604	650	615	588	268
35°	160	165	170	165	161	107
45°	41	41	42	42	41	33
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P283994

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBAPINSQ1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1754.0	1754.0	1754.0	1754.0	1754.0
2.5°	1732.0	1733.0	1734.6	1732.5	1727.4
5°	1694.8	1697.8	1698.9	1695.3	1691.2
7.5°	1633.6	1630.0	1633.0	1626.9	1621.8
10°	1533.6	1529.0	1527.4	1518.3	1518.3
12.5°	1410.1	1408.6	1409.6	1405.0	1397.9
15°	1265.2	1268.8	1277.0	1271.8	1263.2
17.5°	1111.7	1116.8	1123.9	1122.4	1110.6
20°	941.3	956.1	966.3	956.6	939.7
22.5°	747.4	779.0	805.0	784.6	757.1
25°	576.5	604.0	650.0	615.3	587.7
27.5°	437.2	457.1	498.9	464.8	445.9
30°	320.4	332.6	361.7	339.3	326.0
32.5°	229.1	237.7	250.0	236.7	230.1
35°	160.2	164.8	170.4	165.3	160.7
37.5°	112.7	114.3	118.4	114.3	112.2
40°	79.1	79.6	82.6	80.1	79.1
42.5°	57.1	57.1	58.7	57.6	57.1
45°	40.8	41.3	42.3	41.8	41.3
47.5°	29.1	30.1	30.1	30.6	28.6
50°	17.3	21.4	21.9	21.4	17.3
52.5°	9.2	12.8	15.8	12.8	9.2
55°	5.6	7.7	10.7	7.7	6.1
57.5°	5.6	5.6	7.1	6.1	5.6
60°	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6
65°	5.1	5.6	5.6	5.6	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	4.6	5.1	5.1
72.5°	4.6	4.6	4.1	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.0	2.6	2.6
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)