

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: P284001

Luminaire Tested: **LDA2B159027D010 EU2B15WFL559027 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284001
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: LDA2B159027D010 EU2B15WFL559027 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 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: 995.9 lumens
Efficiency: N/A
Efficacy: 70.6 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

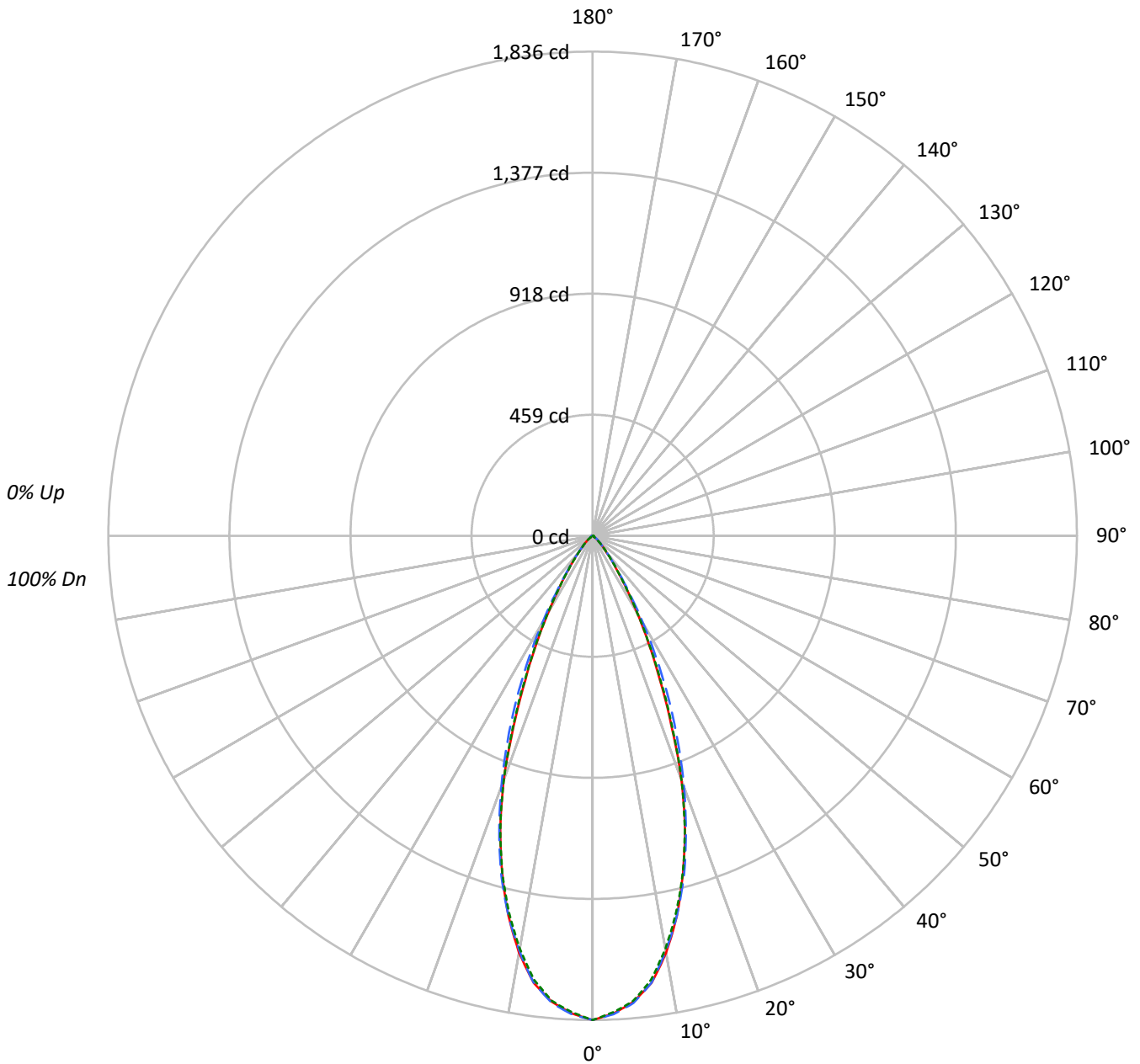
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	905911	905911	905911
5°	878666	880796	876834
10°	804262	801055	796246
15°	676509	682792	675437
20°	517359	531062	516519
25°	328524	370386	334947
30°	191072	215740	194434
35°	101003	107447	101304
40°	53326	55709	53326
45°	29793	30909	30211
50°	13969	17653	13969
55°	5075	9634	5505
60°	5822	5822	5822
65°	6187	6888	6187
70°	7645	6924	7645
75°	7053	7053	7053
80°	7671	5966	7671
85°	6227	6227	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	16.5
10°-20°	364.9	36.6
20°-30°	294.7	29.6
30°-40°	116.5	11.7
40°-50°	35.8	3.6
50°-60°	9.2	0.9
60°-70°	5.6	0.6
70°-80°	4.1	0.4
80°-90°	1.2	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°	823.6	82.7
0°-40°	940.1	94.4
0°-60°	985.1	98.9
0°-90°	995.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1774	1777	1778	1775	1770	164
15°	1324	1328	1337	1332	1322	364
25°	604	632	680	644	615	281
35°	168	172	178	173	168	112
45°	43	43	44	44	43	35
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1836.2	1836.2	1836.2	1836.2	1836.2
2.5°	1813.2	1814.3	1815.9	1813.7	1808.4
5°	1774.2	1777.4	1778.5	1774.8	1770.5
7.5°	1710.1	1706.4	1709.6	1703.2	1697.8
10°	1605.4	1600.6	1599.0	1589.4	1589.4
12.5°	1476.2	1474.6	1475.7	1470.9	1463.4
15°	1324.5	1328.3	1336.8	1331.5	1322.4
17.5°	1163.8	1169.1	1176.6	1175.0	1162.7
20°	985.4	1000.9	1011.5	1001.4	983.8
22.5°	782.4	815.5	842.8	821.4	792.6
25°	603.5	632.4	680.4	644.1	615.3
27.5°	457.7	478.5	522.3	486.5	466.8
30°	335.4	348.2	378.7	355.2	341.3
32.5°	239.8	248.9	261.7	247.8	240.9
35°	167.7	172.5	178.4	173.0	168.2
37.5°	118.0	119.6	123.9	119.6	117.5
40°	82.8	83.3	86.5	83.9	82.8
42.5°	59.8	59.8	61.4	60.4	59.8
45°	42.7	43.3	44.3	43.8	43.3
47.5°	30.4	31.5	31.5	32.0	29.9
50°	18.2	22.4	23.0	22.4	18.2
52.5°	9.6	13.4	16.6	13.4	9.6
55°	5.9	8.0	11.2	8.0	6.4
57.5°	5.9	5.9	7.5	6.4	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.3	5.9	5.9	5.9	5.3
67.5°	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	4.8	5.3	5.3
72.5°	4.8	4.8	4.3	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.1	2.7	2.7
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)