

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: P283983

Luminaire Tested: **LDA2B158040D010 EU2B15WFL558040 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283983
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: LDA2B158040D010 EU2B15WFL558040 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: 1355.7 lumens
Efficiency: N/A
Efficacy: 96.2 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

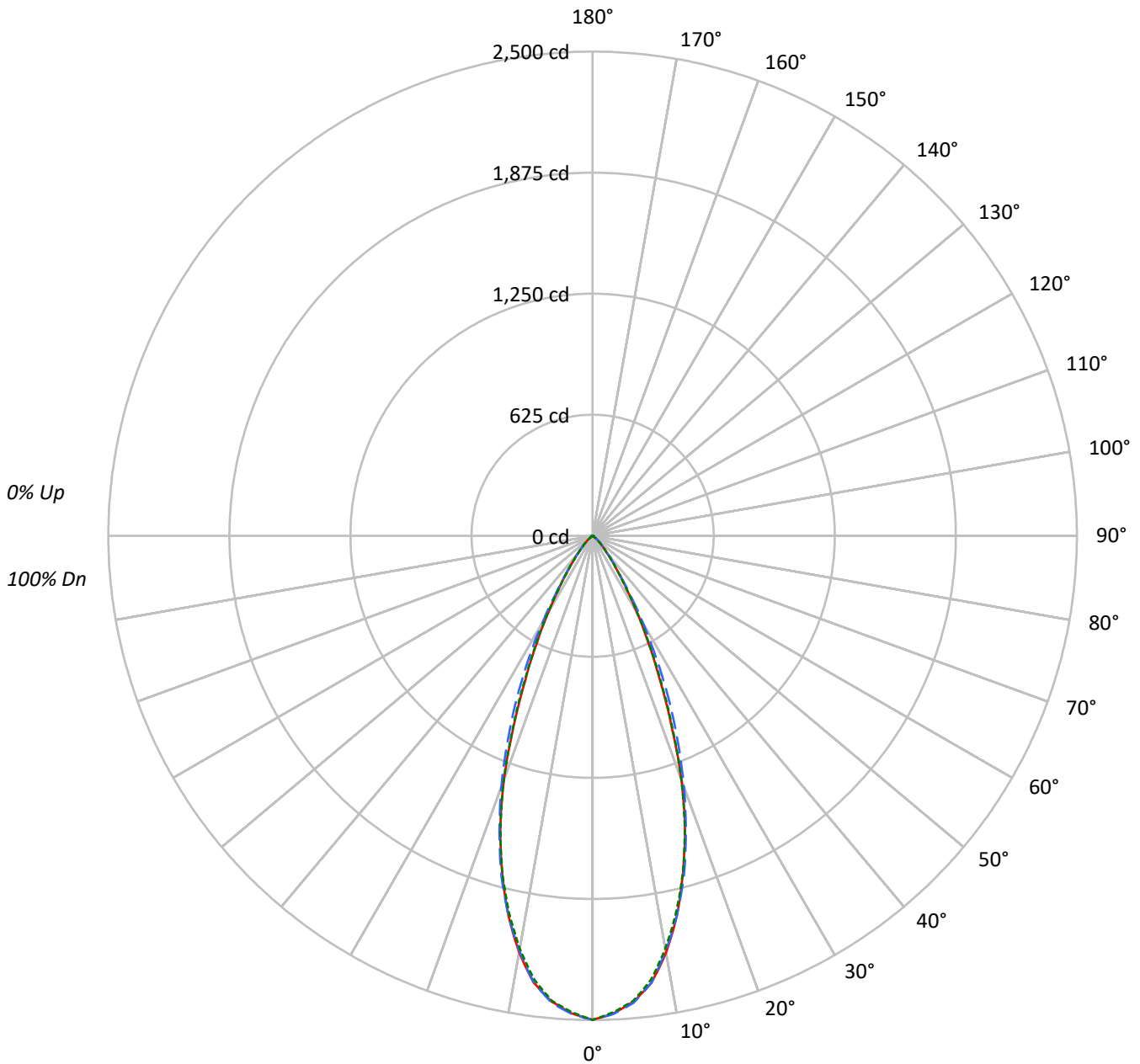
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	1233158	1233158	1233158
5°	1196119	1198991	1193593
10°	1094876	1090467	1083905
15°	920911	929491	919429
20°	704268	722959	703113
25°	447195	504190	455905
30°	260118	293673	264676
35°	137501	146234	137923
40°	72583	75868	72583
45°	40607	42072	41096
50°	18958	24024	18958
55°	6881	13160	7483
60°	7894	7894	7894
65°	8522	9339	8522
70°	10530	9376	10530
75°	9722	9722	9722
80°	10228	8239	10228
85°	8491	8491	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.1	16.5
10°-20°	496.8	36.6
20°-30°	401.2	29.6
30°-40°	158.6	11.7
40°-50°	48.7	3.6
50°-60°	12.5	0.9
60°-70°	7.6	0.6
70°-80°	5.6	0.4
80°-90°	1.7	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°	1121.1	82.7
0°-40°	1279.7	94.4
0°-60°	1340.9	98.9
0°-90°	1355.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2500	2500	2500	2500	2500	
5°	2415	2420	2421	2416	2410	224
15°	1803	1808	1820	1812	1800	495
25°	822	861	926	877	838	382
35°	228	235	243	236	229	153
45°	58	59	60	60	59	47
55°	8	11	15	11	9	10
65°	7	8	8	8	7	8
75°	5	5	5	5	5	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2499.5	2499.5	2499.5	2499.5	2499.5
2.5°	2468.3	2469.7	2471.9	2469.0	2461.7
5°	2415.2	2419.6	2421.0	2415.9	2410.1
7.5°	2328.0	2322.9	2327.2	2318.5	2311.2
10°	2185.5	2178.9	2176.7	2163.6	2163.6
12.5°	2009.5	2007.3	2008.8	2002.2	1992.1
15°	1803.0	1808.1	1819.8	1812.5	1800.1
17.5°	1584.2	1591.5	1601.7	1599.5	1582.8
20°	1341.4	1362.5	1377.0	1363.2	1339.2
22.5°	1065.1	1110.2	1147.3	1118.2	1078.9
25°	821.5	860.8	926.2	876.8	837.5
27.5°	623.1	651.4	711.0	662.3	635.4
30°	456.6	474.0	515.5	483.5	464.6
32.5°	326.4	338.8	356.2	337.3	327.9
35°	228.3	234.8	242.8	235.6	229.0
37.5°	160.7	162.9	168.7	162.9	159.9
40°	112.7	113.4	117.8	114.1	112.7
42.5°	81.4	81.4	83.6	82.2	81.4
45°	58.2	58.9	60.3	59.6	58.9
47.5°	41.4	42.9	42.9	43.6	40.7
50°	24.7	30.5	31.3	30.5	24.7
52.5°	13.1	18.2	22.5	18.2	13.1
55°	8.0	10.9	15.3	10.9	8.7
57.5°	8.0	8.0	10.2	8.7	8.0
60°	8.0	8.0	8.0	8.0	8.0
62.5°	8.0	8.0	8.0	8.0	8.0
65°	7.3	8.0	8.0	8.0	7.3
67.5°	7.3	7.3	7.3	7.3	7.3
70°	7.3	7.3	6.5	7.3	7.3
72.5°	6.5	6.5	5.8	6.5	6.5
75°	5.1	5.1	5.1	5.1	5.1
77.5°	4.4	4.4	4.4	4.4	4.4
80°	3.6	3.6	2.9	3.6	3.6
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)