

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: P283970

Luminaire Tested: **LDA2B158030D010 EU2B15WFL558030 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283970
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: LDA2B158030D010 EU2B15WFL558030 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: 1325.8 lumens
Efficiency: N/A
Efficacy: 94.0 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

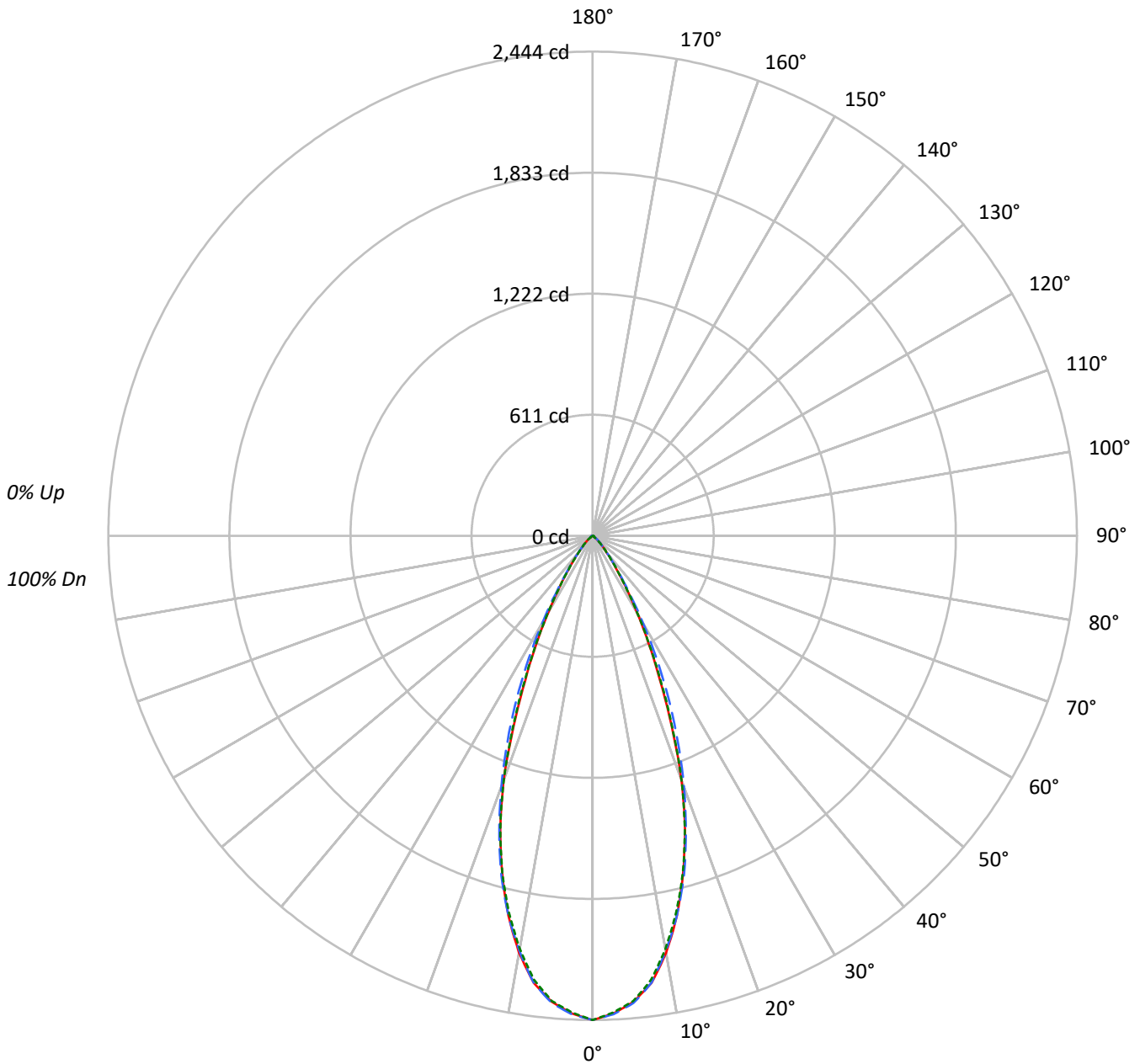
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1205974	1205974	1205974
5°	1169772	1172545	1167296
10°	1070729	1066421	1060058
15°	900633	908959	899152
20°	688727	706998	687625
25°	437342	493085	445889
30°	254364	287178	258808
35°	134490	143042	134912
40°	70973	74193	70973
45°	39700	41165	40189
50°	18574	23487	18574
55°	6709	12816	7311
60°	7696	7696	7696
65°	8288	9106	8288
70°	10242	9232	10242
75°	9531	9531	9531
80°	10228	7955	10228
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	16.5
10°-20°	485.8	36.6
20°-30°	392.4	29.6
30°-40°	155.1	11.7
40°-50°	47.6	3.6
50°-60°	12.3	0.9
60°-70°	7.4	0.6
70°-80°	5.5	0.4
80°-90°	1.6	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°	1096.4	82.7
0°-40°	1251.5	94.4
0°-60°	1311.4	98.9
0°-90°	1325.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2444	2444	2444	2444	2444	
5°	2362	2366	2368	2363	2357	219
15°	1763	1768	1780	1772	1760	484
25°	803	842	906	858	819	374
35°	223	230	238	230	224	150
45°	57	58	59	58	58	46
55°	8	11	15	11	8	10
65°	7	8	8	8	7	7
75°	5	5	5	5	5	6
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2444.4	2444.4	2444.4	2444.4	2444.4
2.5°	2413.9	2415.3	2417.4	2414.6	2407.5
5°	2362.0	2366.2	2367.6	2362.7	2357.0
7.5°	2276.6	2271.7	2275.9	2267.4	2260.3
10°	2137.3	2130.9	2128.7	2116.0	2116.0
12.5°	1965.2	1963.1	1964.5	1958.1	1948.2
15°	1763.3	1768.3	1779.6	1772.5	1760.4
17.5°	1549.3	1556.4	1566.3	1564.2	1547.9
20°	1311.8	1332.4	1346.6	1333.1	1309.7
22.5°	1041.6	1085.7	1122.0	1093.5	1055.1
25°	803.4	841.8	905.8	857.5	819.1
27.5°	609.3	637.1	695.4	647.7	621.4
30°	446.5	463.6	504.1	472.8	454.3
32.5°	319.2	331.3	348.4	329.9	320.7
35°	223.3	229.7	237.5	230.4	224.0
37.5°	157.1	159.3	165.0	159.3	156.4
40°	110.2	110.9	115.2	111.6	110.2
42.5°	79.6	79.6	81.8	80.3	79.6
45°	56.9	57.6	59.0	58.3	57.6
47.5°	40.5	41.9	41.9	42.7	39.8
50°	24.2	29.9	30.6	29.9	24.2
52.5°	12.8	17.8	22.0	17.8	12.8
55°	7.8	10.7	14.9	10.7	8.5
57.5°	7.8	7.8	10.0	8.5	7.8
60°	7.8	7.8	7.8	7.8	7.8
62.5°	7.8	7.8	7.8	7.8	7.8
65°	7.1	7.8	7.8	7.8	7.1
67.5°	7.1	7.1	7.1	7.1	7.1
70°	7.1	7.1	6.4	7.1	7.1
72.5°	6.4	6.4	5.7	6.4	6.4
75°	5.0	5.0	5.0	5.0	5.0
77.5°	4.3	4.3	4.3	4.3	4.3
80°	3.6	3.6	2.8	3.6	3.6
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.4	1.4	1.4	1.4	1.4
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)