

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: P283972

Luminaire Tested: **LDA2B158030D010 EU2B15WFL558030 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283972
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 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1312.9 lumens
Efficiency: N/A
Efficacy: 93.1 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

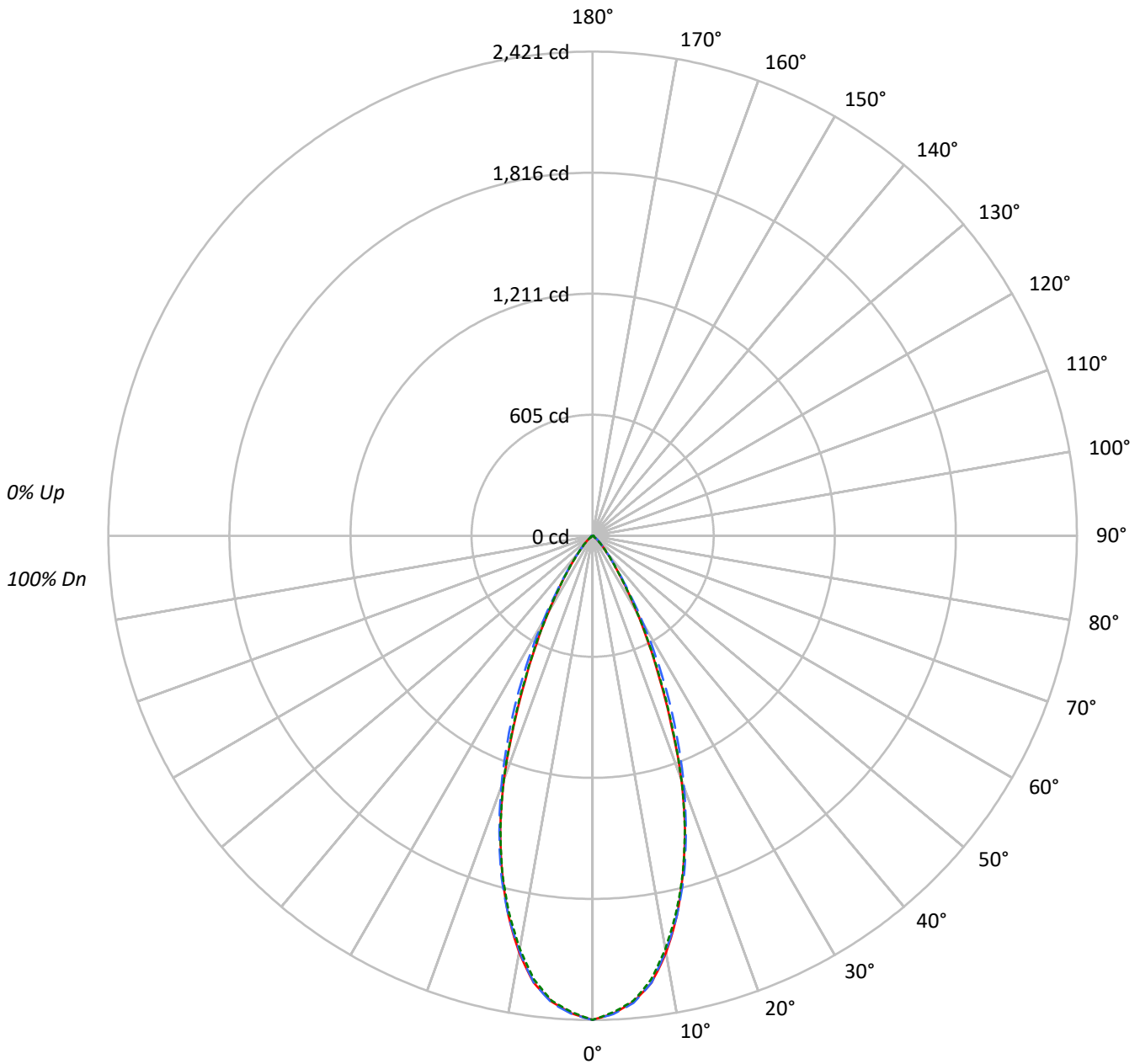
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1194330	1194330	1194330
5°	1158480	1161254	1156004
10°	1060409	1056151	1049788
15°	891950	900225	890520
20°	682060	700173	680957
25°	433151	488349	441588
30°	251915	284387	256301
35°	133165	141657	133586
40°	70265	73485	70265
45°	39282	40747	39770
50°	18344	23256	18344
55°	6623	12730	7225
60°	7598	7598	7598
65°	8172	8989	8172
70°	10097	9088	10097
75°	9340	9340	9340
80°	9944	7955	9944
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	16.5
10°-20°	481.1	36.6
20°-30°	388.6	29.6
30°-40°	153.6	11.7
40°-50°	47.1	3.6
50°-60°	12.1	0.9
60°-70°	7.3	0.6
70°-80°	5.4	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°	1085.8	82.7
0°-40°	1239.4	94.4
0°-60°	1298.7	98.9
0°-90°	1312.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2421	2421	2421	2421	2421	
5°	2339	2343	2345	2340	2334	216
15°	1746	1751	1762	1755	1744	480
25°	796	834	897	849	811	370
35°	221	227	235	228	222	148
45°	56	57	58	58	57	46
55°	8	11	15	11	8	10
65°	7	8	8	8	7	7
75°	5	5	5	5	5	5
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°	2420.8	2420.8	2420.8	2420.8	2420.8
2.5°	2390.6	2392.0	2394.1	2391.3	2384.2
5°	2339.2	2343.4	2344.8	2339.9	2334.2
7.5°	2254.7	2249.7	2254.0	2245.5	2238.5
10°	2116.7	2110.3	2108.2	2095.5	2095.5
12.5°	1946.3	1944.1	1945.5	1939.2	1929.4
15°	1746.3	1751.2	1762.5	1755.4	1743.5
17.5°	1534.3	1541.4	1551.2	1549.1	1532.9
20°	1299.1	1319.6	1333.6	1320.3	1297.0
22.5°	1031.6	1075.2	1111.1	1083.0	1044.9
25°	795.7	833.7	897.1	849.2	811.2
27.5°	603.5	630.9	688.7	641.5	615.4
30°	442.2	459.1	499.2	468.3	449.9
32.5°	316.2	328.1	345.0	326.7	317.6
35°	221.1	227.4	235.2	228.1	221.8
37.5°	155.6	157.7	163.4	157.7	154.9
40°	109.1	109.8	114.1	110.6	109.1
42.5°	78.9	78.9	81.0	79.6	78.9
45°	56.3	57.0	58.4	57.7	57.0
47.5°	40.1	41.5	41.5	42.2	39.4
50°	23.9	29.6	30.3	29.6	23.9
52.5°	12.7	17.6	21.8	17.6	12.7
55°	7.7	10.6	14.8	10.6	8.4
57.5°	7.7	7.7	9.9	8.4	7.7
60°	7.7	7.7	7.7	7.7	7.7
62.5°	7.7	7.7	7.7	7.7	7.7
65°	7.0	7.7	7.7	7.7	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
70°	7.0	7.0	6.3	7.0	7.0
72.5°	6.3	6.3	5.6	6.3	6.3
75°	4.9	4.9	4.9	4.9	4.9
77.5°	4.2	4.2	4.2	4.2	4.2
80°	3.5	3.5	2.8	3.5	3.5
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)