

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: P283982

Luminaire Tested: **LDA2B158040D010 EU2B15WFL558040 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283982
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 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: 1395.3 lumens
Efficiency: N/A
Efficacy: 99.0 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

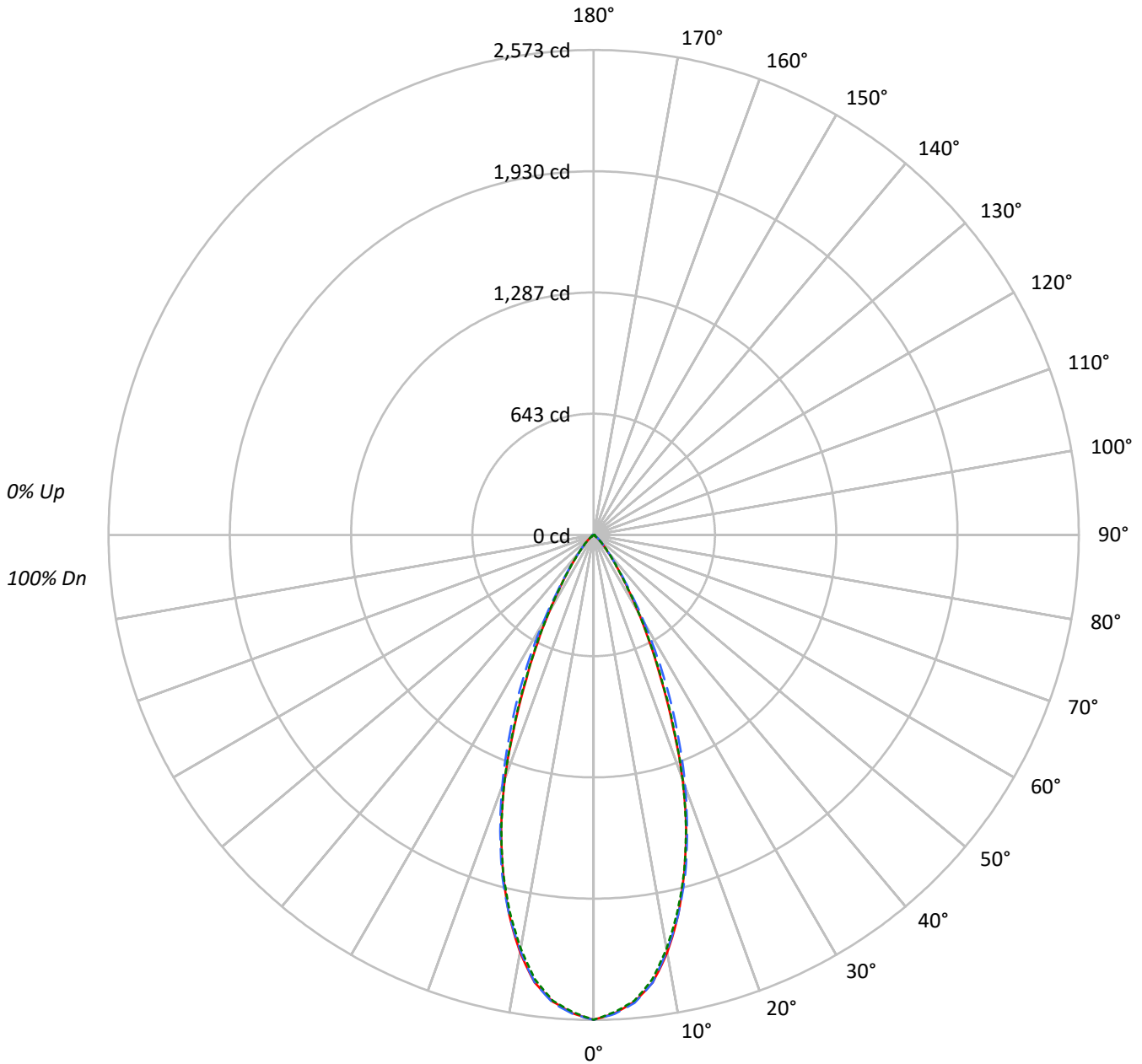
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	1269223	1269223	1269223
5°	1231083	1234055	1228508
10°	1126888	1122379	1115616
15°	947879	956664	946347
20°	724849	744117	723694
25°	460315	518943	469242
30°	267695	302218	272423
35°	141537	150511	141958
40°	74708	78057	74708
45°	41793	43328	42282
50°	19495	24715	19495
55°	7053	13504	7741
60°	8091	8091	8091
65°	8755	9573	8755
70°	10819	9665	10819
75°	9912	9912	9912
80°	10512	8523	10512
85°	8491	8491	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	16.5
10°-20°	511.3	36.6
20°-30°	412.9	29.6
30°-40°	163.2	11.7
40°-50°	50.1	3.6
50°-60°	12.9	0.9
60°-70°	7.8	0.6
70°-80°	5.7	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°	1153.9	82.7
0°-40°	1317.1	94.4
0°-60°	1380.1	98.9
0°-90°	1395.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1395.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2486	2490	2492	2487	2481	230
15°	1856	1861	1873	1866	1853	510
25°	846	886	953	902	862	394
35°	235	242	250	242	236	157
45°	60	61	62	61	61	49
55°	8	11	16	11	9	10
65°	8	8	8	8	8	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°	2572.6	2572.6	2572.6	2572.6	2572.6
2.5°	2540.5	2542.0	2544.2	2541.2	2533.7
5°	2485.8	2490.3	2491.8	2486.6	2480.6
7.5°	2396.0	2390.8	2395.3	2386.3	2378.8
10°	2249.4	2242.6	2240.4	2226.9	2226.9
12.5°	2068.3	2066.1	2067.5	2060.8	2050.3
15°	1855.8	1861.0	1873.0	1865.5	1852.8
17.5°	1630.5	1638.0	1648.5	1646.3	1629.0
20°	1380.6	1402.3	1417.3	1403.1	1378.4
22.5°	1096.3	1142.7	1180.8	1150.9	1110.5
25°	845.6	886.0	953.3	902.4	862.0
27.5°	641.3	670.5	731.8	681.7	654.0
30°	469.9	487.9	530.5	497.6	478.2
32.5°	336.0	348.7	366.7	347.2	337.5
35°	235.0	241.7	249.9	242.4	235.7
37.5°	165.4	167.6	173.6	167.6	164.6
40°	116.0	116.7	121.2	117.5	116.0
42.5°	83.8	83.8	86.1	84.6	83.8
45°	59.9	60.6	62.1	61.4	60.6
47.5°	42.7	44.1	44.1	44.9	41.9
50°	25.4	31.4	32.2	31.4	25.4
52.5°	13.5	18.7	23.2	18.7	13.5
55°	8.2	11.2	15.7	11.2	9.0
57.5°	8.2	8.2	10.5	9.0	8.2
60°	8.2	8.2	8.2	8.2	8.2
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.5	8.2	8.2	8.2	7.5
67.5°	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	6.7	7.5	7.5
72.5°	6.7	6.7	6.0	6.7	6.7
75°	5.2	5.2	5.2	5.2	5.2
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.7	3.7	3.0	3.7	3.7
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)