

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: P283991

Luminaire Tested: **LDA2B158050D010 EU2B15WFL558050 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283991
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: LDA2B158050D010 EU2B15WFL558050 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1299.4 lumens
Efficiency: N/A
Efficacy: 92.2 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

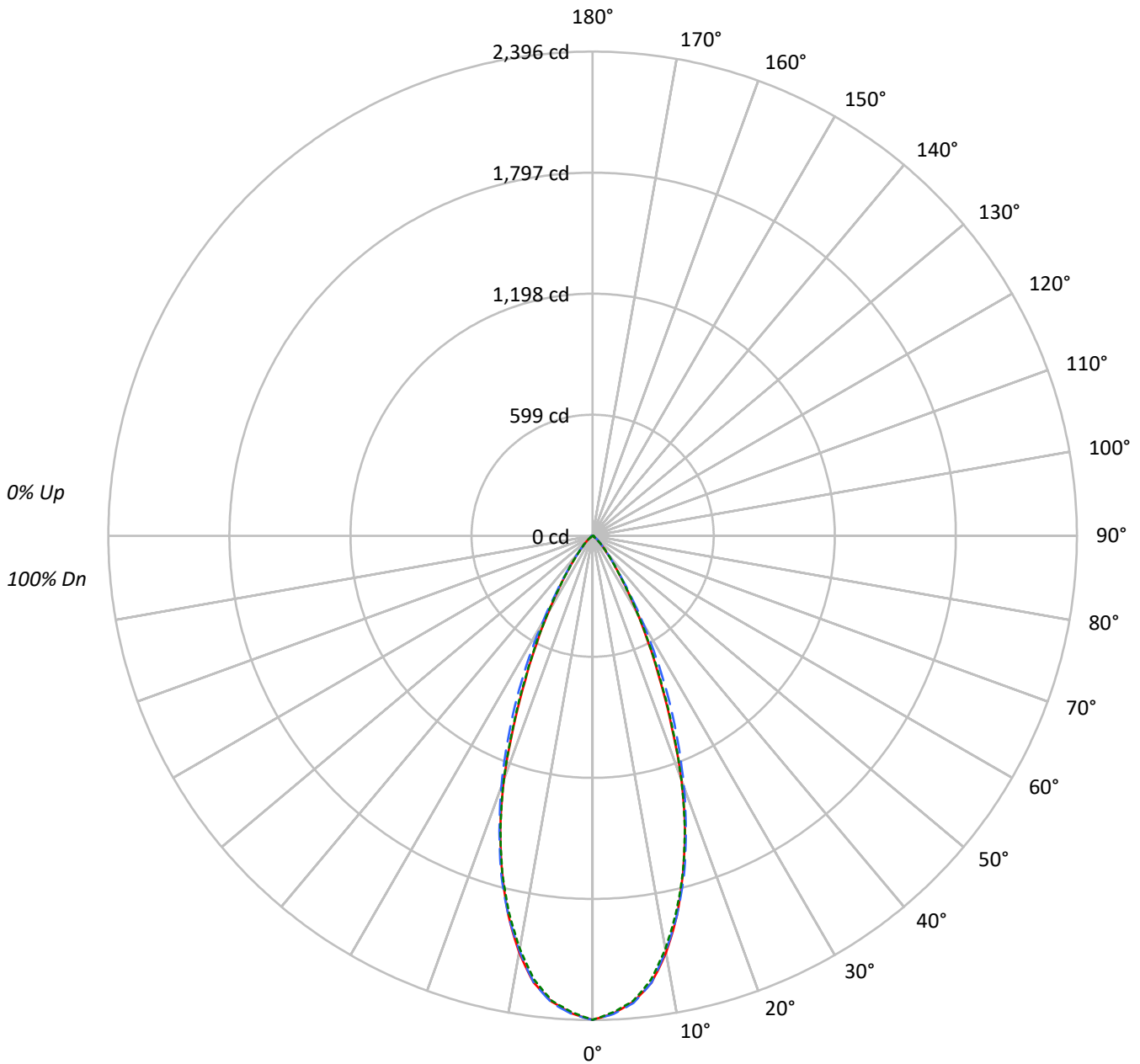
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1181848	1181848	1181848
5°	1146347	1149120	1143920
10°	1049287	1045129	1038817
15°	882603	890775	881173
20°	674972	692875	673869
25°	428633	483232	436961
30°	249294	281424	253624
35°	131780	140151	132201
40°	69556	72712	69556
45°	38863	40328	39351
50°	18191	23026	18191
55°	6623	12558	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°	213.8	16.5
10°-20°	476.1	36.6
20°-30°	384.5	29.6
30°-40°	152.0	11.7
40°-50°	46.7	3.6
50°-60°	12.0	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°	1074.5	82.7
0°-40°	1226.4	94.4
0°-60°	1285.1	98.9
0°-90°	1299.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2396	2396	2396	2396	2396	
5°	2315	2319	2320	2315	2310	214
15°	1728	1733	1744	1737	1725	475
25°	787	825	888	840	803	367
35°	219	225	233	226	220	147
45°	56	56	58	57	56	45
55°	8	10	15	10	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°	2395.5	2395.5	2395.5	2395.5	2395.5
2.5°	2365.6	2367.0	2369.1	2366.3	2359.3
5°	2314.7	2318.9	2320.3	2315.4	2309.8
7.5°	2231.1	2226.2	2230.4	2222.0	2215.1
10°	2094.5	2088.3	2086.2	2073.6	2073.6
12.5°	1925.9	1923.8	1925.2	1918.9	1909.2
15°	1728.0	1732.9	1744.0	1737.1	1725.2
17.5°	1518.3	1525.3	1535.0	1532.9	1516.9
20°	1285.6	1305.8	1319.7	1306.5	1283.5
22.5°	1020.8	1064.0	1099.5	1071.6	1034.0
25°	787.4	825.0	887.7	840.3	802.7
27.5°	597.1	624.3	681.5	634.8	609.0
30°	437.6	454.3	494.0	463.4	445.2
32.5°	312.9	324.7	341.4	323.3	314.2
35°	218.8	225.1	232.7	225.8	219.5
37.5°	154.0	156.1	161.7	156.1	153.3
40°	108.0	108.7	112.9	109.4	108.0
42.5°	78.0	78.0	80.1	78.7	78.0
45°	55.7	56.4	57.8	57.1	56.4
47.5°	39.7	41.1	41.1	41.8	39.0
50°	23.7	29.3	30.0	29.3	23.7
52.5°	12.5	17.4	21.6	17.4	12.5
55°	7.7	10.5	14.6	10.5	8.4
57.5°	7.7	7.7	9.8	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)