

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: P283926

Luminaire Tested: **LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283926
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: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.9 lumens
Efficiency: N/A
Efficacy: 72.5 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

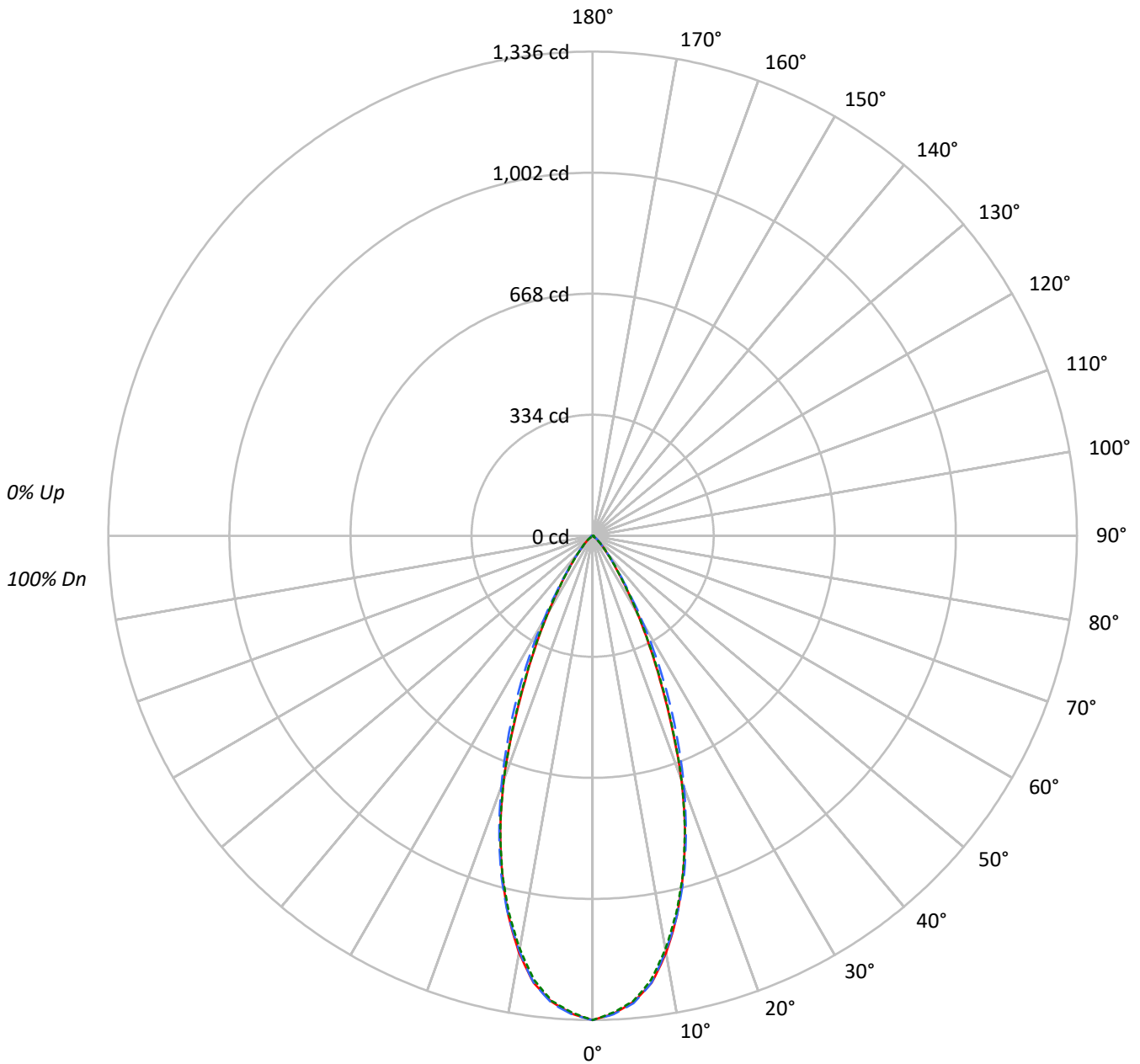
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	659329	659329	659329
5°	639512	641047	638174
10°	585387	583032	579525
15°	492378	496975	491612
20°	376548	386523	375918
25°	239139	269569	243766
30°	139060	157005	141510
35°	73539	78176	73720
40°	38835	40574	38835
45°	21699	22536	21978
50°	10131	12818	10131
55°	3699	7053	4043
60°	4243	4243	4243
65°	4553	5020	4553
70°	5626	5049	5626
75°	5147	5147	5147
80°	5398	4546	5398
85°	4529	4529	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	16.5
10°-20°	265.6	36.6
20°-30°	214.5	29.6
30°-40°	84.8	11.7
40°-50°	26.0	3.6
50°-60°	6.7	0.9
60°-70°	4.1	0.6
70°-80°	3.0	0.4
80°-90°	0.9	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°	599.4	82.7
0°-40°	684.2	94.4
0°-60°	716.9	98.9
0°-90°	724.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1336	1336	1336	1336	1336	
5°	1291	1294	1294	1292	1289	120
15°	964	967	973	969	962	265
25°	439	460	495	469	448	204
35°	122	126	130	126	122	82
45°	31	32	32	32	32	25
55°	4	6	8	6	5	5
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1336.4	1336.4	1336.4	1336.4	1336.4
2.5°	1319.7	1320.5	1321.6	1320.1	1316.2
5°	1291.3	1293.7	1294.4	1291.7	1288.6
7.5°	1244.7	1242.0	1244.3	1239.6	1235.7
10°	1168.5	1165.0	1163.8	1156.8	1156.8
12.5°	1074.4	1073.3	1074.0	1070.5	1065.1
15°	964.0	966.7	973.0	969.1	962.5
17.5°	847.0	850.9	856.4	855.2	846.2
20°	717.2	728.5	736.2	728.9	716.0
22.5°	569.5	593.6	613.4	597.9	576.9
25°	439.3	460.2	495.2	468.8	447.8
27.5°	333.1	348.3	380.2	354.1	339.7
30°	244.1	253.4	275.6	258.5	248.4
32.5°	174.5	181.1	190.5	180.4	175.3
35°	122.1	125.6	129.8	125.9	122.4
37.5°	85.9	87.1	90.2	87.1	85.5
40°	60.3	60.6	63.0	61.0	60.3
42.5°	43.5	43.5	44.7	43.9	43.5
45°	31.1	31.5	32.3	31.9	31.5
47.5°	22.2	22.9	22.9	23.3	21.8
50°	13.2	16.3	16.7	16.3	13.2
52.5°	7.0	9.7	12.1	9.7	7.0
55°	4.3	5.8	8.2	5.8	4.7
57.5°	4.3	4.3	5.4	4.7	4.3
60°	4.3	4.3	4.3	4.3	4.3
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.9	4.3	4.3	4.3	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.9	3.9	3.5	3.9	3.9
72.5°	3.5	3.5	3.1	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.6	1.9	1.9
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)