

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: P315613

Luminaire Tested: **LDA2B05WFL9727D010 PIN1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315613
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: LDA2B05WFL9727D010 PIN1MB
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj PinHole, Black oculus black finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 460.1 lumens
Efficiency: N/A
Efficacy: 65.7 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

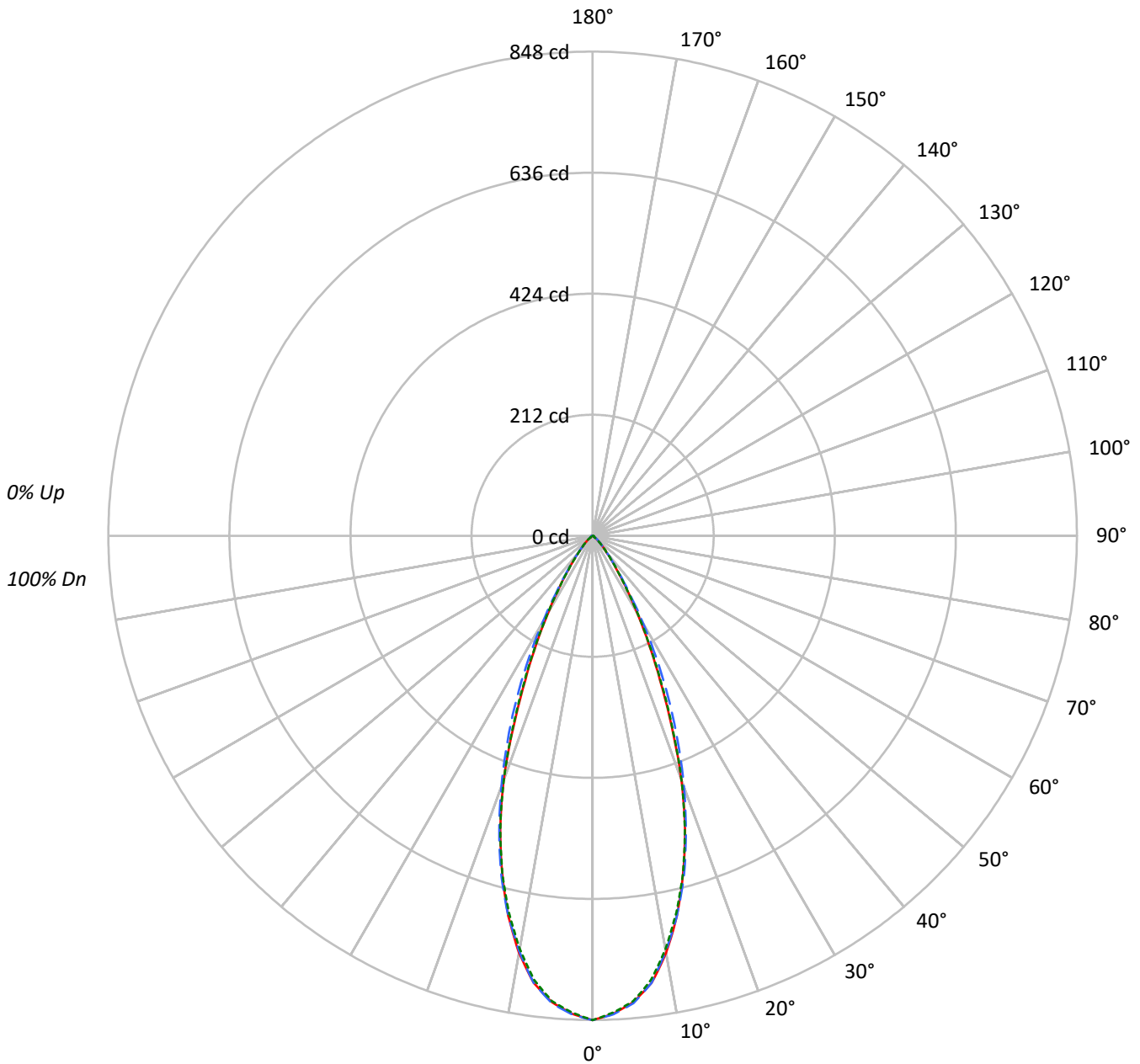
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	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°	418568	418568	418568
5°	406003	406944	405112
10°	371622	370119	367914
15°	312589	315500	312078
20°	239044	245397	238624
25°	151769	171148	154763
30°	88301	99695	89839
35°	46677	49628	46797
40°	24602	25762	24602
45°	13745	14303	13954
50°	6447	8136	6447
55°	2322	4473	2580
60°	2664	2664	2664
65°	2918	3152	2918
70°	3606	3173	3606
75°	3241	3241	3241
80°	3409	2841	3409
85°	2830	2830	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	16.5
10°-20°	168.6	36.6
20°-30°	136.2	29.6
30°-40°	53.8	11.7
40°-50°	16.5	3.6
50°-60°	4.3	0.9
60°-70°	2.6	0.6
70°-80°	1.9	0.4
80°-90°	0.5	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°	380.5	82.7
0°-40°	434.3	94.4
0°-60°	455.1	98.9
0°-90°	460.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	820	821	822	820	818	76
15°	612	614	618	615	611	168
25°	279	292	314	298	284	130
35°	78	80	82	80	78	52
45°	20	20	20	20	20	16
55°	3	4	5	4	3	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.4	848.4	848.4	848.4	848.4
2.5°	837.8	838.3	839.0	838.0	835.5
5°	819.8	821.2	821.7	820.0	818.0
7.5°	790.1	788.4	789.9	786.9	784.5
10°	741.8	739.6	738.8	734.4	734.4
12.5°	682.1	681.3	681.8	679.6	676.1
15°	612.0	613.7	617.7	615.2	611.0
17.5°	537.7	540.2	543.6	542.9	537.2
20°	455.3	462.4	467.4	462.7	454.5
22.5°	361.5	376.8	389.4	379.5	366.2
25°	278.8	292.2	314.4	297.6	284.3
27.5°	211.5	221.1	241.3	224.8	215.7
30°	155.0	160.9	175.0	164.1	157.7
32.5°	110.8	115.0	120.9	114.5	111.3
35°	77.5	79.7	82.4	80.0	77.7
37.5°	54.5	55.3	57.2	55.3	54.3
40°	38.2	38.5	40.0	38.7	38.2
42.5°	27.6	27.6	28.4	27.9	27.6
45°	19.7	20.0	20.5	20.2	20.0
47.5°	14.1	14.6	14.6	14.8	13.8
50°	8.4	10.4	10.6	10.4	8.4
52.5°	4.4	6.2	7.6	6.2	4.4
55°	2.7	3.7	5.2	3.7	3.0
57.5°	2.7	2.7	3.5	3.0	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.5	2.7	2.7	2.7	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.2	2.5	2.5
72.5°	2.2	2.2	2.0	2.2	2.2
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.2	1.2	1.0	1.2	1.2
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)