

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: P315616

Luminaire Tested: **LDA2B05WFL9730D010 PINW1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315616
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: LDA2B05WFL9730D010 PINW1MW
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj PinHole, Black oculus, matte white finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.9 lumens
Efficiency: N/A
Efficacy: 72.7 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

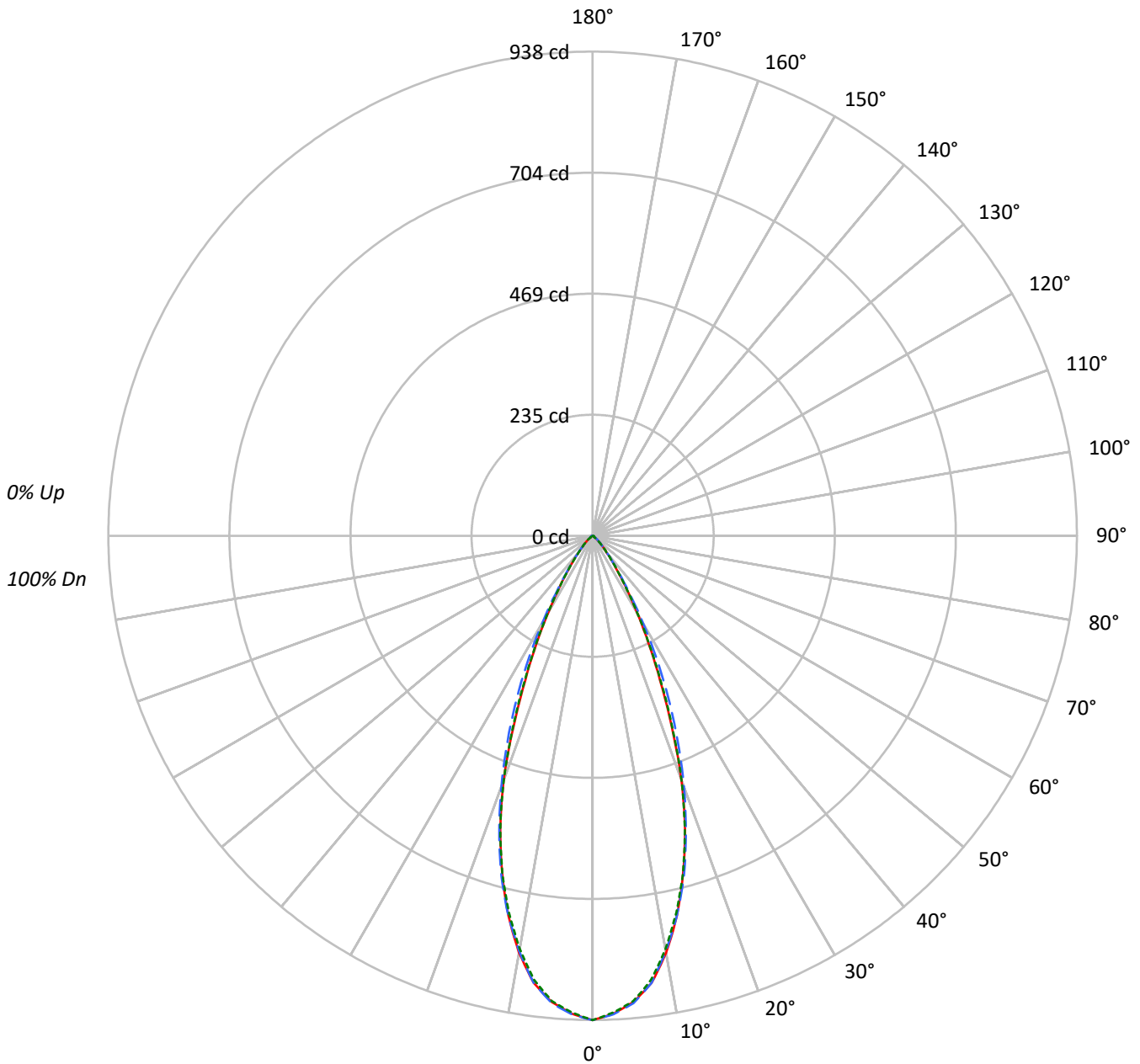
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	462971	462971	462971
5°	449040	450129	448099
10°	410998	409395	406940
15°	345737	348955	345175
20°	264402	271385	263930
25°	167882	189276	171148
30°	97644	110234	99353
35°	51616	54928	51796
40°	27243	28466	27243
45°	15210	15838	15420
50°	7138	8980	7138
55°	2580	4903	2838
60°	2960	2960	2960
65°	3152	3502	3152
70°	3895	3606	3895
75°	3622	3622	3622
80°	3978	3125	3978
85°	2830	2830	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	16.5
10°-20°	186.5	36.6
20°-30°	150.6	29.6
30°-40°	59.5	11.7
40°-50°	18.3	3.6
50°-60°	4.7	0.9
60°-70°	2.8	0.6
70°-80°	2.1	0.4
80°-90°	0.6	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°	420.9	82.7
0°-40°	480.4	94.4
0°-60°	503.4	98.9
0°-90°	508.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	907	908	909	907	905	84
15°	677	679	683	680	676	186
25°	308	323	348	329	314	144
35°	86	88	91	88	86	57
45°	22	22	23	22	22	18
55°	3	4	6	4	3	4
65°	3	3	3	3	3	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°	938.4	938.4	938.4	938.4	938.4
2.5°	926.6	927.2	928.0	926.9	924.2
5°	906.7	908.3	908.9	907.0	904.8
7.5°	873.9	872.0	873.7	870.4	867.7
10°	820.4	818.0	817.2	812.3	812.3
12.5°	754.4	753.6	754.1	751.7	747.8
15°	676.9	678.8	683.2	680.4	675.8
17.5°	594.7	597.5	601.3	600.5	594.2
20°	503.6	511.5	516.9	511.8	502.7
22.5°	399.9	416.8	430.7	419.8	405.0
25°	308.4	323.2	347.7	329.2	314.4
27.5°	233.9	244.6	266.9	248.6	238.5
30°	171.4	178.0	193.5	181.5	174.4
32.5°	122.5	127.2	133.7	126.6	123.1
35°	85.7	88.2	91.2	88.4	86.0
37.5°	60.3	61.1	63.3	61.1	60.0
40°	42.3	42.6	44.2	42.9	42.3
42.5°	30.6	30.6	31.4	30.8	30.6
45°	21.8	22.1	22.7	22.4	22.1
47.5°	15.6	16.1	16.1	16.4	15.3
50°	9.3	11.5	11.7	11.5	9.3
52.5°	4.9	6.8	8.5	6.8	4.9
55°	3.0	4.1	5.7	4.1	3.3
57.5°	3.0	3.0	3.8	3.3	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.7	3.0	3.0	3.0	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.5	2.7	2.7
72.5°	2.5	2.5	2.2	2.5	2.5
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.4	1.4	1.1	1.4	1.4
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)