

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: P284077

Luminaire Tested: **LDA2B208050D010 EU2B20WFL558050 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284077
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: LDA2B208050D010 EU2B20WFL558050 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1769.3 lumens
Efficiency: N/A
Efficacy: 85.9 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

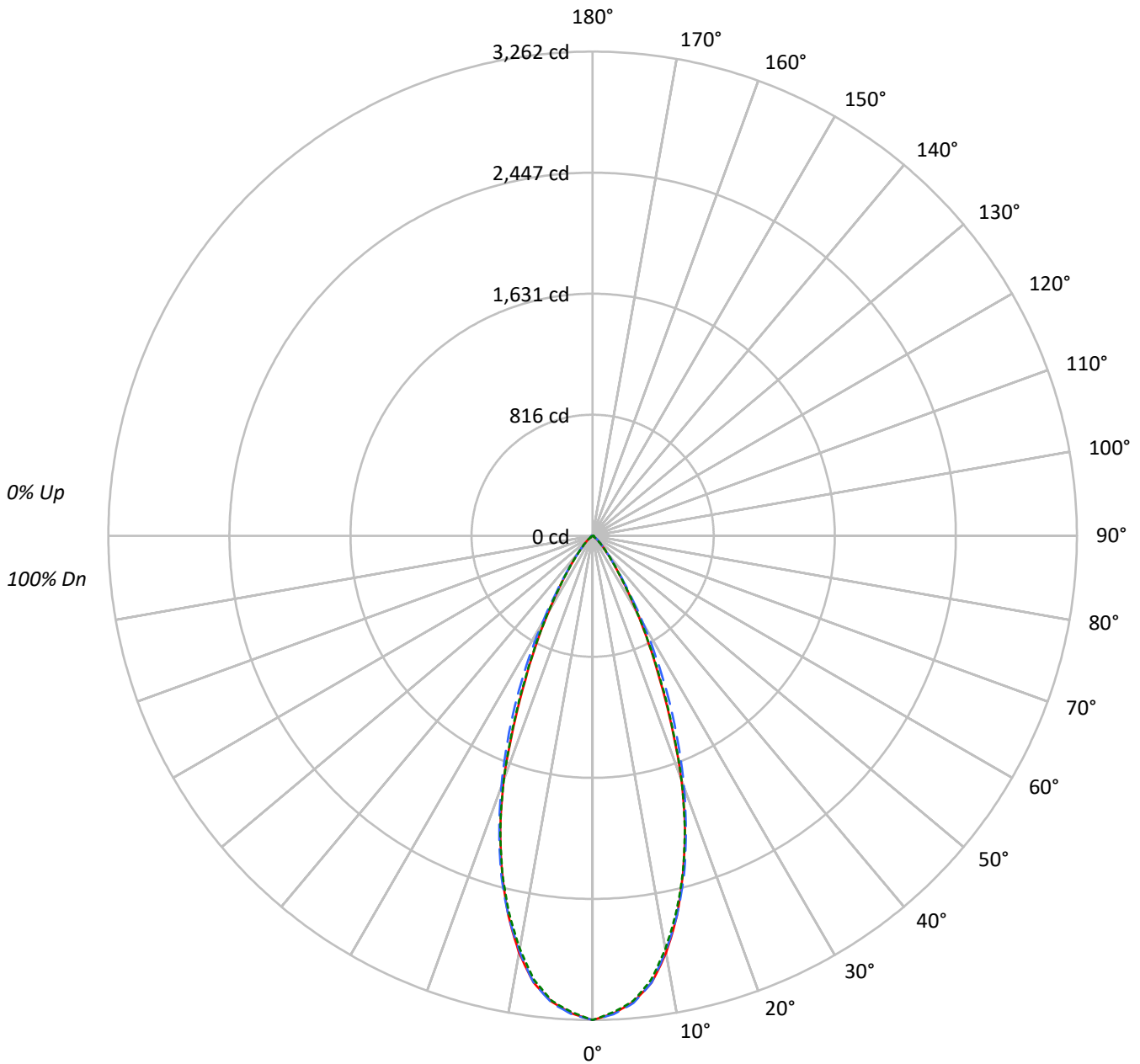
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1609445	1609445	1609445
5°	1561066	1564830	1557797
10°	1428924	1423213	1414647
15°	1201934	1213069	1199993
20°	919108	943522	917638
25°	583668	658028	595045
30°	339475	383227	345400
35°	179420	190864	180023
40°	94738	98989	94738
45°	52957	54980	53655
50°	24791	31315	24791
55°	8946	17117	9806
60°	10262	10262	10262
65°	11090	12141	11090
70°	13704	12261	13704
75°	12581	12581	12581
80°	13353	10796	13353
85°	10755	10755	10755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	16.5
10°-20°	648.4	36.6
20°-30°	523.6	29.6
30°-40°	206.9	11.7
40°-50°	63.6	3.6
50°-60°	16.4	0.9
60°-70°	9.9	0.6
70°-80°	7.2	0.4
80°-90°	2.1	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°	1463.2	82.7
0°-40°	1670.1	94.4
0°-60°	1750.0	98.9
0°-90°	1769.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1769.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3262	3262	3262	3262	3262	
5°	3152	3158	3160	3153	3146	292
15°	2353	2360	2375	2366	2349	646
25°	1072	1123	1209	1144	1093	499
35°	298	306	317	307	299	200
45°	76	77	79	78	77	62
55°	10	14	20	14	11	13
65°	10	10	10	10	10	10
75°	7	7	7	7	7	7
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°	3262.2	3262.2	3262.2	3262.2	3262.2
2.5°	3221.4	3223.3	3226.1	3222.3	3212.8
5°	3152.1	3157.8	3159.7	3153.0	3145.5
7.5°	3038.2	3031.6	3037.3	3025.9	3016.4
10°	2852.3	2843.7	2840.9	2823.8	2823.8
12.5°	2622.6	2619.8	2621.7	2613.1	2599.9
15°	2353.2	2359.8	2375.0	2365.5	2349.4
17.5°	2067.6	2077.0	2090.3	2087.5	2065.7
20°	1750.6	1778.2	1797.1	1779.1	1747.8
22.5°	1390.1	1448.9	1497.3	1459.3	1408.1
25°	1072.2	1123.4	1208.8	1144.3	1093.1
27.5°	813.2	850.2	928.0	864.4	829.3
30°	595.9	618.7	672.7	631.0	606.3
32.5°	426.0	442.2	464.9	440.3	427.9
35°	297.9	306.5	316.9	307.4	298.9
37.5°	209.7	212.5	220.1	212.5	208.7
40°	147.1	148.0	153.7	149.0	147.1
42.5°	106.3	106.3	109.1	107.2	106.3
45°	75.9	76.9	78.8	77.8	76.9
47.5°	54.1	56.0	56.0	56.9	53.1
50°	32.3	39.9	40.8	39.9	32.3
52.5°	17.1	23.7	29.4	23.7	17.1
55°	10.4	14.2	19.9	14.2	11.4
57.5°	10.4	10.4	13.3	11.4	10.4
60°	10.4	10.4	10.4	10.4	10.4
62.5°	10.4	10.4	10.4	10.4	10.4
65°	9.5	10.4	10.4	10.4	9.5
67.5°	9.5	9.5	9.5	9.5	9.5
70°	9.5	9.5	8.5	9.5	9.5
72.5°	8.5	8.5	7.6	8.5	8.5
75°	6.6	6.6	6.6	6.6	6.6
77.5°	5.7	5.7	5.7	5.7	5.7
80°	4.7	4.7	3.8	4.7	4.7
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)