

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: P283909

Luminaire Tested: **LDA2B108050D010 EU2B10WFL558050 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283909
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: LDA2B108050D010 EU2B10WFL558050 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1000 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: 955.8 lumens
Efficiency: N/A
Efficacy: 95.6 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

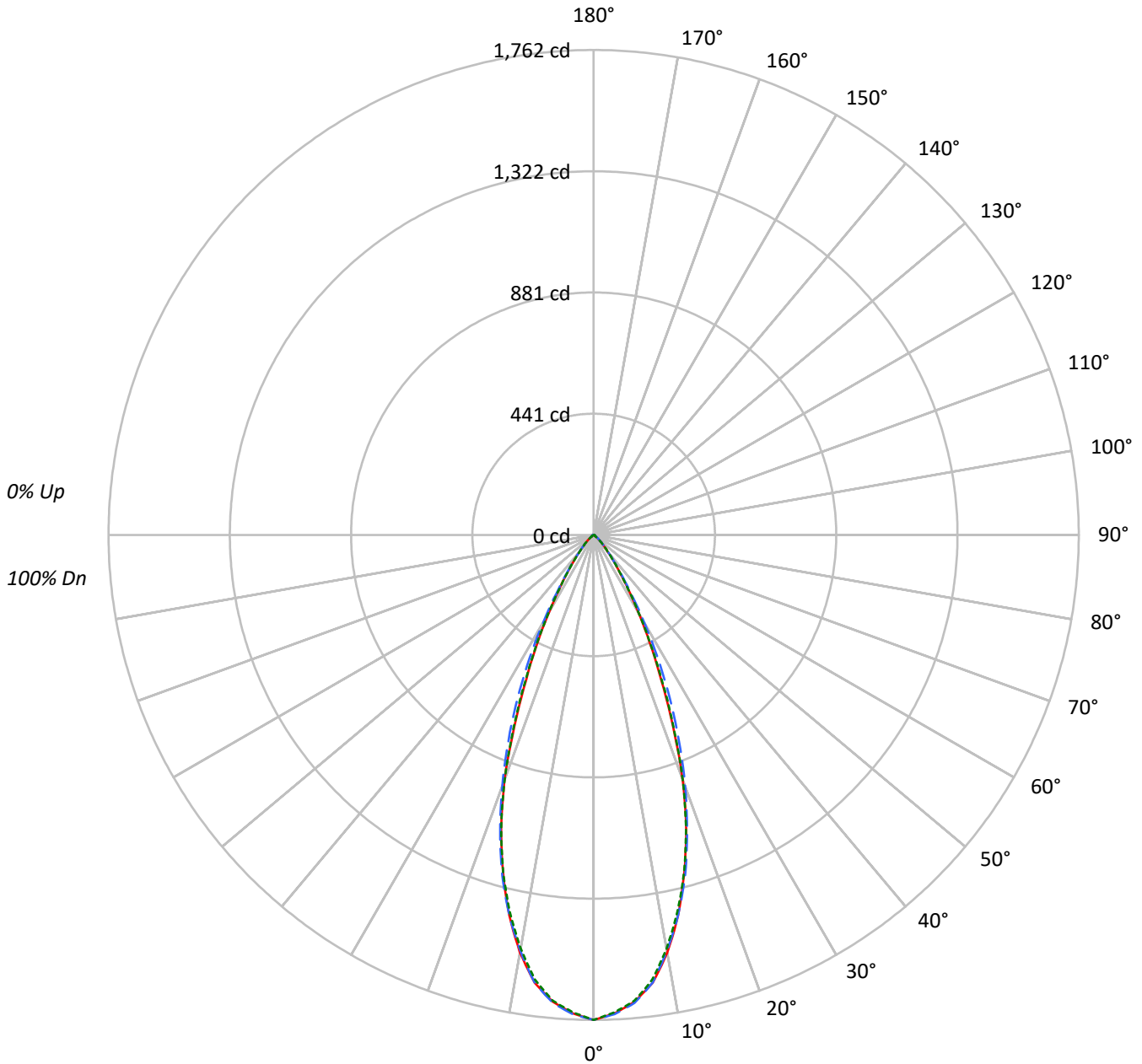
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	869402	869402	869402
5°	843305	845336	841523
10°	771899	768843	764184
15°	649285	655312	648213
20°	496516	509694	495728
25°	315296	355470	321447
30°	183382	207024	186572
35°	96907	103111	97269
40°	51137	53455	51137
45°	28606	29653	28955
50°	13355	16886	13355
55°	4817	9290	5333
60°	5526	5526	5526
65°	5954	6537	5954
70°	7357	6635	7357
75°	6862	6862	6862
80°	7387	5966	7387
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	16.5
10°-20°	350.3	36.6
20°-30°	282.9	29.6
30°-40°	111.8	11.7
40°-50°	34.3	3.6
50°-60°	8.8	0.9
60°-70°	5.3	0.6
70°-80°	3.9	0.4
80°-90°	1.2	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°	790.4	82.7
0°-40°	902.2	94.4
0°-60°	945.4	98.9
0°-90°	955.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1762	1762	1762	1762	1762	
5°	1703	1706	1707	1703	1699	158
15°	1271	1275	1283	1278	1269	349
25°	579	607	653	618	590	270
35°	161	166	171	166	162	108
45°	41	42	42	42	42	33
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
75°	4	4	4	4	4	4
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°	1762.2	1762.2	1762.2	1762.2	1762.2
2.5°	1740.2	1741.2	1742.8	1740.7	1735.6
5°	1702.8	1705.9	1706.9	1703.3	1699.2
7.5°	1641.3	1637.7	1640.8	1634.6	1629.5
10°	1540.8	1536.2	1534.7	1525.4	1525.4
12.5°	1416.8	1415.2	1416.3	1411.6	1404.5
15°	1271.2	1274.8	1283.0	1277.9	1269.1
17.5°	1116.9	1122.0	1129.2	1127.7	1115.9
20°	945.7	960.6	970.8	961.1	944.2
22.5°	750.9	782.7	808.8	788.3	760.7
25°	579.2	606.9	653.0	618.2	590.5
27.5°	439.3	459.3	501.3	467.0	448.0
30°	321.9	334.2	363.4	340.9	327.5
32.5°	230.1	238.9	251.2	237.8	231.2
35°	160.9	165.6	171.2	166.1	161.5
37.5°	113.3	114.8	118.9	114.8	112.8
40°	79.4	80.0	83.0	80.5	79.4
42.5°	57.4	57.4	58.9	57.9	57.4
45°	41.0	41.5	42.5	42.0	41.5
47.5°	29.2	30.2	30.2	30.8	28.7
50°	17.4	21.5	22.0	21.5	17.4
52.5°	9.2	12.8	15.9	12.8	9.2
55°	5.6	7.7	10.8	7.7	6.2
57.5°	5.6	5.6	7.2	6.2	5.6
60°	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6
65°	5.1	5.6	5.6	5.6	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	4.6	5.1	5.1
72.5°	4.6	4.6	4.1	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.1	2.6	2.6
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)