

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: P283887

Luminaire Tested: **LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283887  
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: LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MB  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.1 lumens  
Efficiency: N/A  
Efficacy: 96.8 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

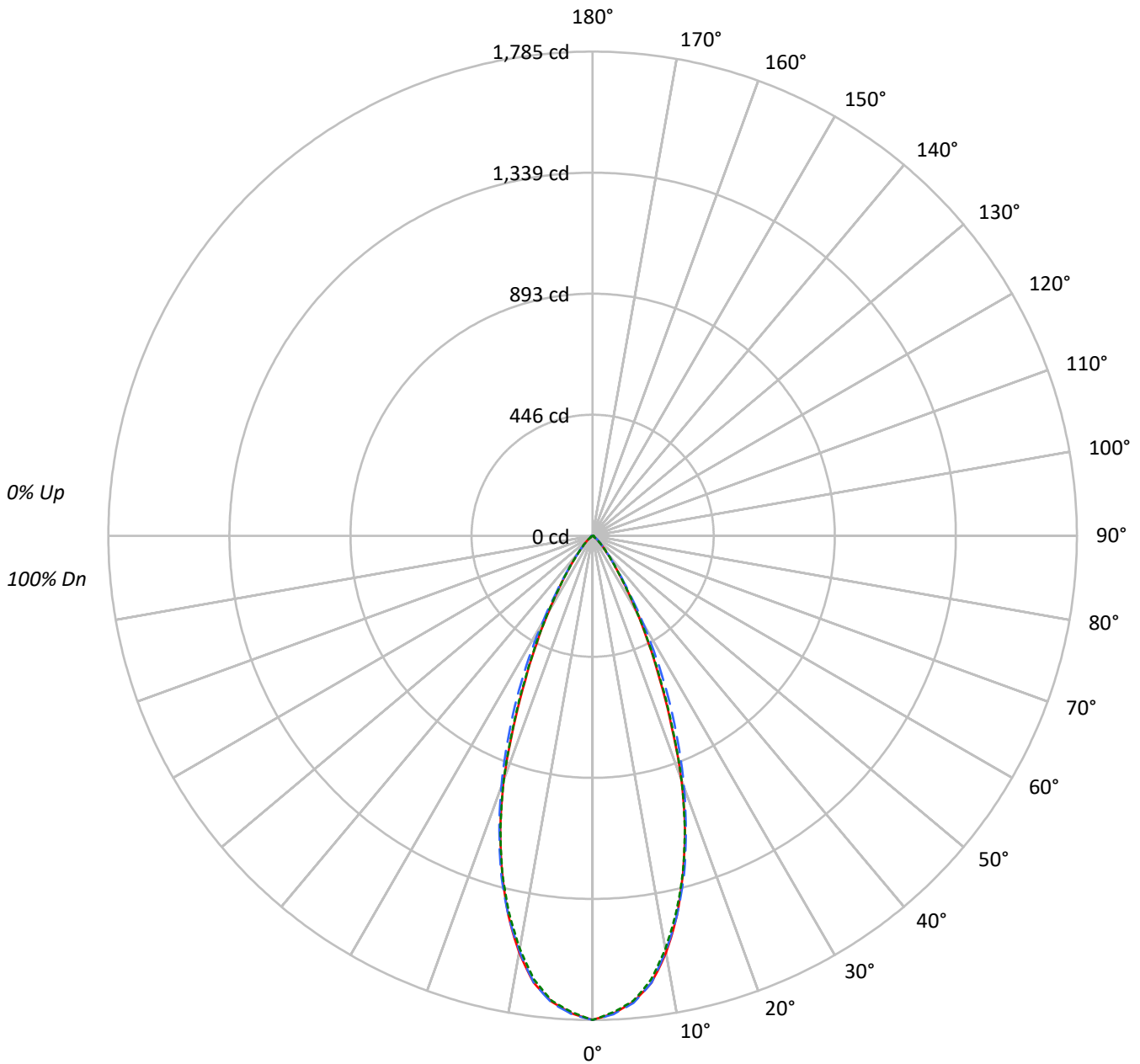
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94	94		
	2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89	94	92	90	89	89		
	3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	90	87	85	84	84		
	4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79	86	83	81	79	79		
	5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	82	79	76	75	75		
	6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71	78	75	72	71	71		
	7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67	75	71	69	67	67		
	8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64	72	68	65	64	64		
	9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61	69	65	62	61	61		
	10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58	66	62	60	58	58		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	880601	880601	880601
5°	854151	856182	852319
10°	781818	778712	774003
15°	657611	663740	656589
20°	502921	516257	502081
25°	319379	360043	325584
30°	185717	209701	188965
35°	98172	104436	98473
40°	51845	54164	51845
45°	28955	30072	29374
50°	13585	17116	13585
55°	4903	9376	5333
60°	5624	5624	5624
65°	6070	6654	6070
70°	7501	6780	7501
75°	6862	6862	6862
80°	7387	5966	7387
85°	5661	5661	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.3	16.5
10°-20°	354.8	36.6
20°-30°	286.5	29.6
30°-40°	113.2	11.7
40°-50°	34.8	3.6
50°-60°	9.0	0.9
60°-70°	5.4	0.6
70°-80°	4.0	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°	800.6	82.7
0°-40°	913.8	94.4
0°-60°	957.5	98.9
0°-90°	968.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1785	1785	1785	1785	1785	
5°	1725	1728	1729	1725	1721	160
15°	1288	1291	1300	1294	1286	354
25°	587	615	661	626	598	273
35°	163	168	173	168	164	109
45°	42	42	43	43	42	34
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°	1784.9	1784.9	1784.9	1784.9	1784.9
2.5°	1762.6	1763.6	1765.2	1763.1	1757.9
5°	1724.7	1727.8	1728.8	1725.2	1721.0
7.5°	1662.4	1658.7	1661.9	1655.6	1650.4
10°	1560.6	1555.9	1554.4	1545.0	1545.0
12.5°	1435.0	1433.4	1434.5	1429.8	1422.5
15°	1287.5	1291.2	1299.5	1294.3	1285.5
17.5°	1131.3	1136.5	1143.7	1142.2	1130.2
20°	957.9	972.9	983.3	973.4	956.3
22.5°	760.6	792.8	819.2	798.5	770.4
25°	586.7	614.7	661.4	626.1	598.1
27.5°	444.9	465.2	507.7	473.0	453.8
30°	326.0	338.5	368.1	345.2	331.7
32.5°	233.1	241.9	254.4	240.9	234.1
35°	163.0	167.7	173.4	168.2	163.5
37.5°	114.7	116.3	120.4	116.3	114.2
40°	80.5	81.0	84.1	81.5	80.5
42.5°	58.1	58.1	59.7	58.7	58.1
45°	41.5	42.1	43.1	42.6	42.1
47.5°	29.6	30.6	30.6	31.1	29.1
50°	17.7	21.8	22.3	21.8	17.7
52.5°	9.3	13.0	16.1	13.0	9.3
55°	5.7	7.8	10.9	7.8	6.2
57.5°	5.7	5.7	7.3	6.2	5.7
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7
65°	5.2	5.7	5.7	5.7	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	4.7	5.2	5.2
72.5°	4.7	4.7	4.2	4.7	4.7
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°	1.6	1.6	1.6	1.6	1.6
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)