

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: P283890

Luminaire Tested: **LDA2B108030D010 EU2B10WFL558030 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283890
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 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 898.6 lumens
Efficiency: N/A
Efficacy: 89.9 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

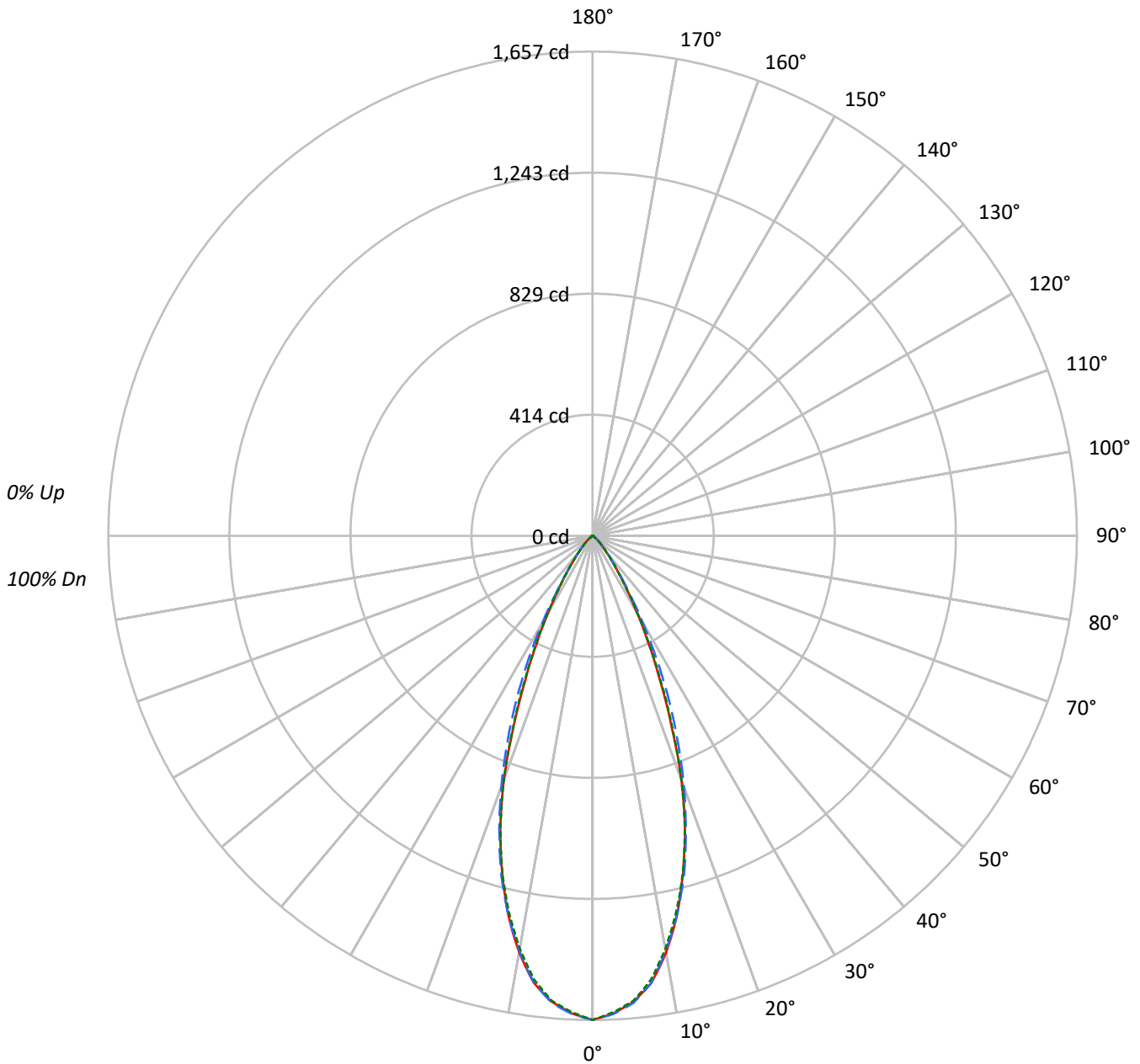
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	817402	817402	817402
5°	792840	794771	791206
10°	725709	722853	718495
15°	610467	616086	609446
20°	466799	479242	466064
25°	296461	334240	302231
30°	172387	194661	175406
35°	91125	96968	91427
40°	48110	50299	48110
45°	26932	27909	27211
50°	12588	15888	12588
55°	4559	8688	4989
60°	5230	5230	5230
65°	5603	6187	5603
70°	6924	6203	6924
75°	6481	6481	6481
80°	6819	5398	6819
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	16.5
10°-20°	329.3	36.6
20°-30°	265.9	29.6
30°-40°	105.1	11.7
40°-50°	32.3	3.6
50°-60°	8.3	0.9
60°-70°	5.0	0.6
70°-80°	3.7	0.4
80°-90°	1.1	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°	743.1	82.7
0°-40°	848.2	94.4
0°-60°	888.8	98.9
0°-90°	898.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1601	1604	1605	1601	1598	148
15°	1195	1198	1206	1201	1193	328
25°	545	571	614	581	555	254
35°	151	156	161	156	152	101
45°	39	39	40	40	39	31
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	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°	1656.8	1656.8	1656.8	1656.8	1656.8
2.5°	1636.1	1637.1	1638.5	1636.6	1631.8
5°	1600.9	1603.8	1604.8	1601.4	1597.6
7.5°	1543.1	1539.7	1542.6	1536.8	1532.0
10°	1448.6	1444.3	1442.9	1434.2	1434.2
12.5°	1332.0	1330.6	1331.5	1327.2	1320.5
15°	1195.2	1198.5	1206.2	1201.4	1193.2
17.5°	1050.1	1054.9	1061.7	1060.2	1049.1
20°	889.1	903.1	912.8	903.6	887.7
22.5°	706.0	735.9	760.5	741.2	715.2
25°	544.6	570.6	614.0	581.2	555.2
27.5°	413.0	431.8	471.3	439.0	421.2
30°	302.6	314.2	341.7	320.5	307.9
32.5°	216.4	224.6	236.1	223.6	217.3
35°	151.3	155.7	161.0	156.1	151.8
37.5°	106.5	107.9	111.8	107.9	106.0
40°	74.7	75.2	78.1	75.7	74.7
42.5°	54.0	54.0	55.4	54.5	54.0
45°	38.6	39.0	40.0	39.5	39.0
47.5°	27.5	28.4	28.4	28.9	27.0
50°	16.4	20.2	20.7	20.2	16.4
52.5°	8.7	12.0	14.9	12.0	8.7
55°	5.3	7.2	10.1	7.2	5.8
57.5°	5.3	5.3	6.7	5.8	5.3
60°	5.3	5.3	5.3	5.3	5.3
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.8	5.3	5.3	5.3	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.3	4.8	4.8
72.5°	4.3	4.3	3.9	4.3	4.3
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.4	2.4	1.9	2.4	2.4
82.5°	1.4	1.4	1.4	1.4	1.4
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)