

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: P283935

Luminaire Tested: **LDA2B109040D010 EU2B10WFL559040 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283935
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: LDA2B109040D010 EU2B10WFL559040 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: 827.9 lumens
Efficiency: N/A
Efficacy: 82.8 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

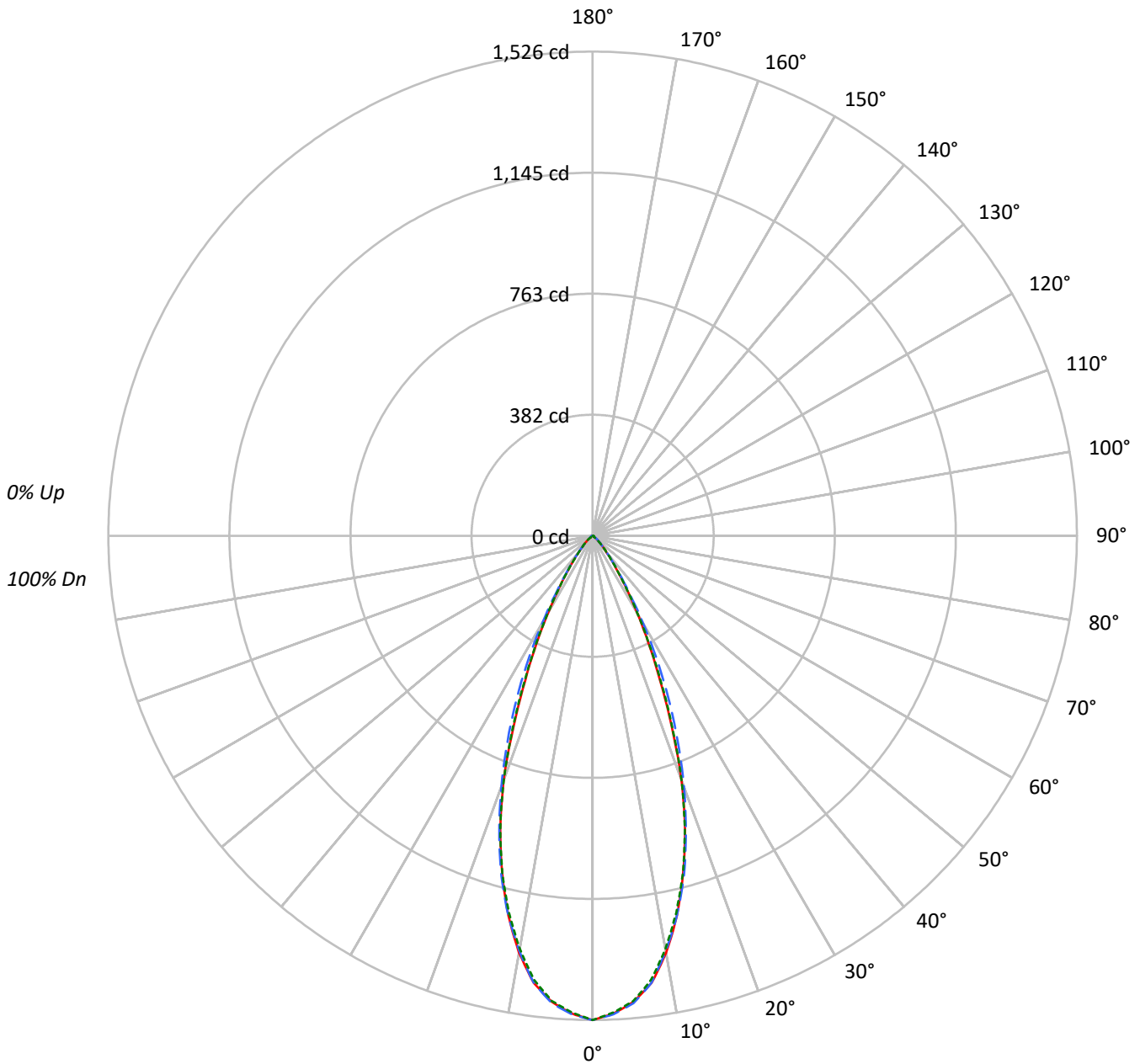
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	753067	753067	753067
5°	730439	732222	728904
10°	668598	665943	661935
15°	562404	567614	561485
20°	430100	441493	429365
25°	273108	307893	278442
30°	158828	179337	161620
35°	83958	89319	84259
40°	44310	46306	44310
45°	24769	25746	25118
50°	11590	14660	11590
55°	4215	7999	4559
60°	4835	4835	4835
65°	5137	5720	5137
70°	6347	5770	6347
75°	5909	5909	5909
80°	6251	5114	6251
85°	5095	5095	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	16.5
10°-20°	303.4	36.6
20°-30°	245.0	29.6
30°-40°	96.8	11.7
40°-50°	29.7	3.6
50°-60°	7.7	0.9
60°-70°	4.6	0.6
70°-80°	3.4	0.4
80°-90°	1.0	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°	684.7	82.7
0°-40°	781.5	94.4
0°-60°	818.9	98.9
0°-90°	827.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1526	1526	1526	1526	1526	
5°	1475	1478	1478	1475	1472	137
15°	1101	1104	1111	1107	1099	302
25°	502	526	566	536	512	234
35°	139	143	148	144	140	93
45°	36	36	37	36	36	29
55°	5	7	9	7	5	6
65°	4	5	5	5	4	5
75°	3	3	3	3	3	3
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°	1526.4	1526.4	1526.4	1526.4	1526.4
2.5°	1507.3	1508.2	1509.6	1507.8	1503.3
5°	1474.9	1477.6	1478.5	1475.4	1471.8
7.5°	1421.7	1418.5	1421.2	1415.9	1411.4
10°	1334.6	1330.6	1329.3	1321.3	1321.3
12.5°	1227.2	1225.9	1226.7	1222.7	1216.5
15°	1101.1	1104.2	1111.3	1106.9	1099.3
17.5°	967.5	971.9	978.1	976.8	966.6
20°	819.2	832.0	840.9	832.5	817.8
22.5°	650.4	678.0	700.6	682.9	658.9
25°	501.7	525.7	565.6	535.5	511.5
27.5°	380.5	397.8	434.2	404.5	388.0
30°	278.8	289.5	314.8	295.3	283.7
32.5°	199.4	206.9	217.6	206.0	200.2
35°	139.4	143.4	148.3	143.9	139.9
37.5°	98.1	99.5	103.0	99.5	97.7
40°	68.8	69.3	71.9	69.7	68.8
42.5°	49.7	49.7	51.1	50.2	49.7
45°	35.5	36.0	36.9	36.4	36.0
47.5°	25.3	26.2	26.2	26.6	24.9
50°	15.1	18.6	19.1	18.6	15.1
52.5°	8.0	11.1	13.8	11.1	8.0
55°	4.9	6.7	9.3	6.7	5.3
57.5°	4.9	4.9	6.2	5.3	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.9	4.9	4.9	4.9	4.9
65°	4.4	4.9	4.9	4.9	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	4.4	4.4	4.0	4.4	4.4
72.5°	4.0	4.0	3.6	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.2	2.2	1.8	2.2	2.2
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)