

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: P283892

Luminaire Tested: **LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283892
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: LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1007.4 lumens
Efficiency: N/A
Efficacy: 100.7 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

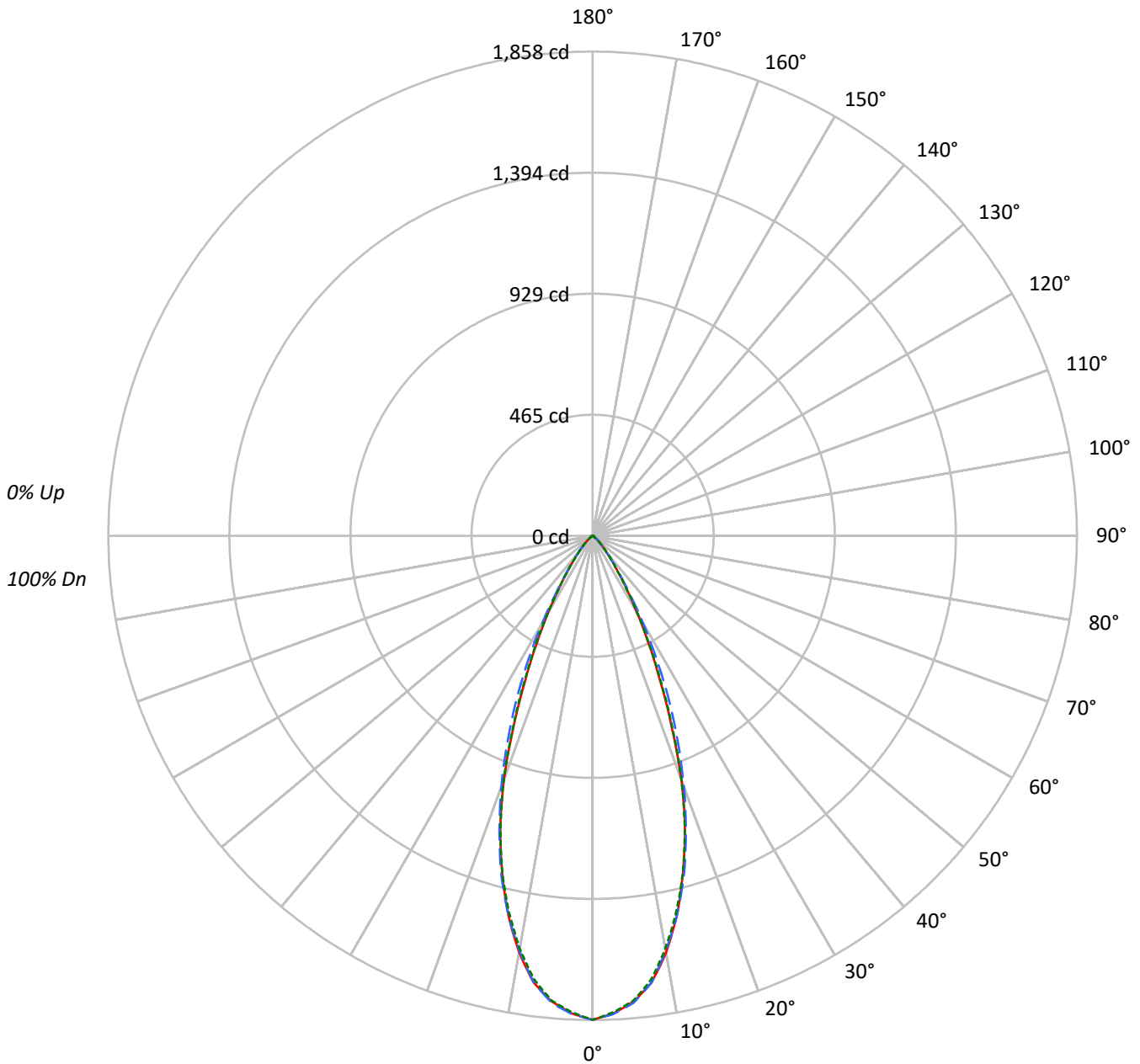
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	916420	916420	916420
5°	888868	890998	886986
10°	813630	810373	805514
15°	684375	690708	683251
20°	523345	537258	522505
25°	332335	374686	338812
30°	193294	218246	196655
35°	102147	108712	102509
40°	53906	56353	53906
45°	30141	31258	30560
50°	14123	17807	14123
55°	5075	9720	5591
60°	5822	5822	5822
65°	6304	6888	6304
70°	7789	7068	7789
75°	7244	7244	7244
80°	7671	6251	7671
85°	6227	6227	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	16.5
10°-20°	369.2	36.6
20°-30°	298.2	29.6
30°-40°	117.8	11.7
40°-50°	36.2	3.6
50°-60°	9.3	0.9
60°-70°	5.6	0.6
70°-80°	4.1	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°	833.1	82.7
0°-40°	951.0	94.4
0°-60°	996.5	98.9
0°-90°	1007.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1858	1858	1858	1858	1858	
5°	1795	1798	1799	1795	1791	166
15°	1340	1344	1352	1347	1338	368
25°	610	640	688	652	622	284
35°	170	174	180	175	170	114
45°	43	44	45	44	44	35
55°	6	8	11	8	6	7
65°	5	6	6	6	5	6
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°	1857.5	1857.5	1857.5	1857.5	1857.5
2.5°	1834.3	1835.3	1837.0	1834.8	1829.4
5°	1794.8	1798.1	1799.1	1795.4	1791.0
7.5°	1730.0	1726.2	1729.4	1723.0	1717.6
10°	1624.1	1619.2	1617.6	1607.9	1607.9
12.5°	1493.3	1491.7	1492.8	1487.9	1480.4
15°	1339.9	1343.7	1352.3	1346.9	1337.7
17.5°	1177.3	1182.7	1190.2	1188.6	1176.2
20°	996.8	1012.5	1023.3	1013.0	995.2
22.5°	791.5	825.0	852.6	831.0	801.8
25°	610.5	639.7	688.3	651.6	622.4
27.5°	463.0	484.1	528.4	492.2	472.2
30°	339.3	352.3	383.1	359.3	345.2
32.5°	242.6	251.8	264.7	250.7	243.7
35°	169.6	174.5	180.5	175.1	170.2
37.5°	119.4	121.0	125.3	121.0	118.9
40°	83.7	84.3	87.5	84.8	83.7
42.5°	60.5	60.5	62.1	61.1	60.5
45°	43.2	43.8	44.8	44.3	43.8
47.5°	30.8	31.9	31.9	32.4	30.3
50°	18.4	22.7	23.2	22.7	18.4
52.5°	9.7	13.5	16.7	13.5	9.7
55°	5.9	8.1	11.3	8.1	6.5
57.5°	5.9	5.9	7.6	6.5	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.4	5.9	5.9	5.9	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	5.4	5.4	4.9	5.4	5.4
72.5°	4.9	4.9	4.3	4.9	4.9
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.2	2.7	2.7
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1
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)