

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: P283894

Luminaire Tested: **LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283894
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 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 997.8 lumens
Efficiency: N/A
Efficacy: 99.8 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

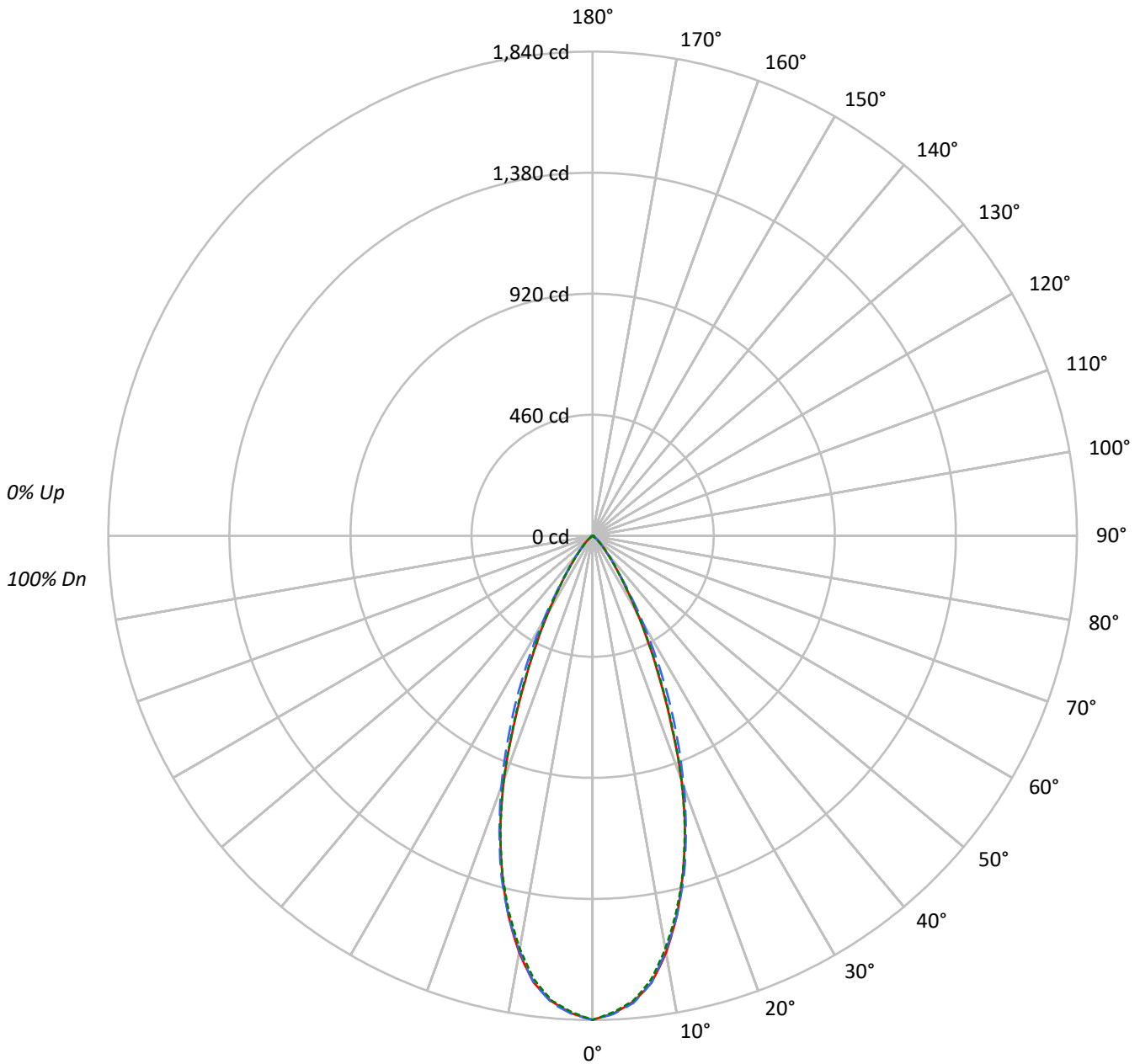
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283894

CATALOG NUMBER: LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P283894

CATALOG NUMBER: LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MMS

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°	907588	907588	907588
5°	880300	882430	878418
10°	805764	802558	797749
15°	677786	684069	676662
20°	518304	532060	517464
25°	329123	371093	335546
30°	191414	216139	194775
35°	101184	107628	101485
40°	53391	55838	53391
45°	29862	30979	30211
50°	13969	17653	13969
55°	5075	9634	5505
60°	5822	5822	5822
65°	6304	6888	6304
70°	7789	6924	7789
75°	7053	7053	7053
80°	7671	5966	7671
85°	6227	6227	6227



TEST NUMBER: P283894

CATALOG NUMBER: LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	16.5
10°-20°	365.6	36.6
20°-30°	295.3	29.6
30°-40°	116.7	11.7
40°-50°	35.8	3.6
50°-60°	9.2	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°	825.1	82.7
0°-40°	941.8	94.4
0°-60°	986.9	98.9
0°-90°	997.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1840	1840	1840	1840	1840	
5°	1778	1781	1782	1778	1774	165
15°	1327	1331	1339	1334	1325	364
25°	605	634	682	645	616	281
35°	168	173	179	173	168	113
45°	43	43	44	44	43	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	



TEST NUMBER: P283894

CATALOG NUMBER: LDA2B108035D010 EU2B10WFL558035 2LBAPINSQ1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1839.6	1839.6	1839.6	1839.6	1839.6
2.5°	1816.6	1817.6	1819.2	1817.1	1811.7
5°	1777.5	1780.7	1781.8	1778.0	1773.7
7.5°	1713.3	1709.5	1712.7	1706.3	1701.0
10°	1608.4	1603.6	1602.0	1592.4	1592.4
12.5°	1478.9	1477.3	1478.4	1473.6	1466.1
15°	1327.0	1330.7	1339.3	1333.9	1324.8
17.5°	1165.9	1171.3	1178.8	1177.1	1164.8
20°	987.2	1002.7	1013.4	1003.2	985.6
22.5°	783.9	817.0	844.3	822.9	794.0
25°	604.6	633.5	681.7	645.3	616.4
27.5°	458.6	479.4	523.3	487.4	467.6
30°	336.0	348.9	379.4	355.8	341.9
32.5°	240.2	249.3	262.2	248.3	241.3
35°	168.0	172.8	178.7	173.4	168.5
37.5°	118.2	119.9	124.1	119.9	117.7
40°	82.9	83.5	86.7	84.0	82.9
42.5°	59.9	59.9	61.5	60.5	59.9
45°	42.8	43.3	44.4	43.9	43.3
47.5°	30.5	31.6	31.6	32.1	30.0
50°	18.2	22.5	23.0	22.5	18.2
52.5°	9.6	13.4	16.6	13.4	9.6
55°	5.9	8.0	11.2	8.0	6.4
57.5°	5.9	5.9	7.5	6.4	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	4.8	5.4	5.4
72.5°	4.8	4.8	4.3	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.1	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



Report Generated By E9808895 / USPTCWHP6082093





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







(END OF REPORT)