

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: P283888

Luminaire Tested: **LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283888
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 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: 986.8 lumens
Efficiency: N/A
Efficacy: 98.7 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

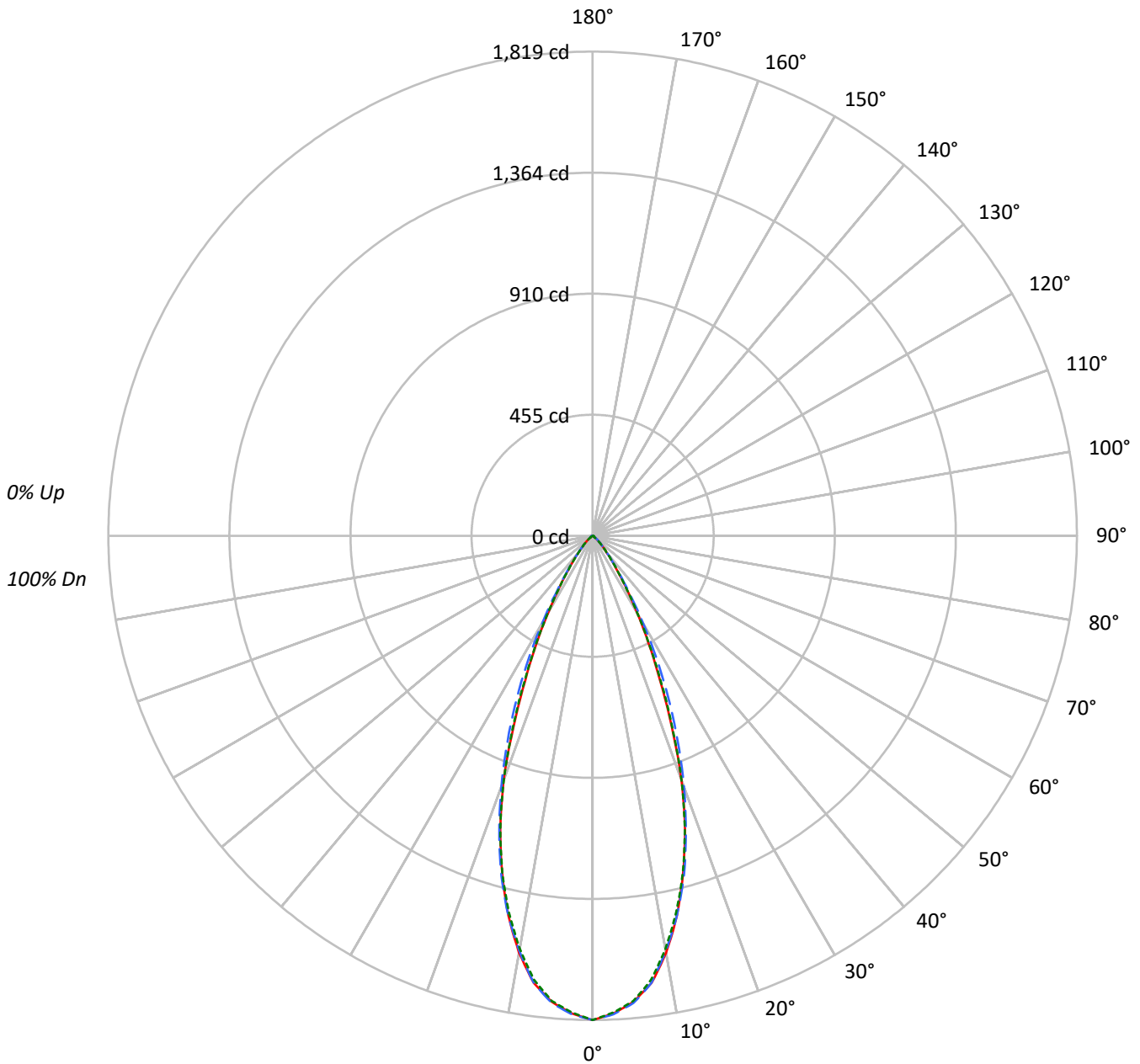
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283888

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P283888

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 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°	897622	897622	897622
5°	870643	872723	868811
10°	796947	793741	788982
15°	670329	676560	669256
20°	512634	526232	511794
25°	325530	367011	331845
30°	189306	213746	192668
35°	100100	106484	100401
40°	52811	55194	52811
45°	29514	30630	29932
50°	13816	17500	13816
55°	4989	9548	5505
60°	5723	5723	5723
65°	6187	6771	6187
70°	7645	6924	7645
75°	7053	7053	7053
80°	7387	5966	7387
85°	6227	6227	6227



TEST NUMBER: P283888

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	16.5
10°-20°	361.6	36.6
20°-30°	292.0	29.6
30°-40°	115.4	11.7
40°-50°	35.4	3.6
50°-60°	9.1	0.9
60°-70°	5.5	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°	816.0	82.7
0°-40°	931.5	94.4
0°-60°	976.0	98.9
0°-90°	986.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1758	1761	1762	1758	1754	163
15°	1312	1316	1325	1319	1310	360
25°	598	627	674	638	610	278
35°	166	171	177	172	167	111
45°	42	43	44	43	43	35
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	



TEST NUMBER: P283888

CATALOG NUMBER: LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1819.4	1819.4	1819.4	1819.4	1819.4
2.5°	1796.6	1797.7	1799.3	1797.1	1791.9
5°	1758.0	1761.2	1762.2	1758.5	1754.3
7.5°	1694.5	1690.8	1694.0	1687.6	1682.3
10°	1590.8	1586.0	1584.4	1574.9	1574.9
12.5°	1462.7	1461.1	1462.2	1457.4	1450.0
15°	1312.4	1316.1	1324.6	1319.3	1310.3
17.5°	1153.1	1158.4	1165.8	1164.2	1152.1
20°	976.4	991.7	1002.3	992.2	974.8
22.5°	775.3	808.1	835.1	813.9	785.3
25°	598.0	626.6	674.2	638.2	609.6
27.5°	453.5	474.2	517.6	482.1	462.5
30°	332.3	345.0	375.2	351.9	338.2
32.5°	237.6	246.6	259.3	245.5	238.7
35°	166.2	170.9	176.8	171.5	166.7
37.5°	117.0	118.5	122.8	118.5	116.4
40°	82.0	82.6	85.7	83.1	82.0
42.5°	59.3	59.3	60.9	59.8	59.3
45°	42.3	42.9	43.9	43.4	42.9
47.5°	30.2	31.2	31.2	31.8	29.6
50°	18.0	22.2	22.8	22.2	18.0
52.5°	9.5	13.2	16.4	13.2	9.5
55°	5.8	7.9	11.1	7.9	6.4
57.5°	5.8	5.8	7.4	6.4	5.8
60°	5.8	5.8	5.8	5.8	5.8
62.5°	5.8	5.8	5.8	5.8	5.8
65°	5.3	5.8	5.8	5.8	5.3
67.5°	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	4.8	5.3	5.3
72.5°	4.8	4.8	4.2	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°	2.6	2.6	2.1	2.6	2.6
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)