

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: P283925

Luminaire Tested: **LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283925
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: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 753.2 lumens
Efficiency: N/A
Efficacy: 75.3 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

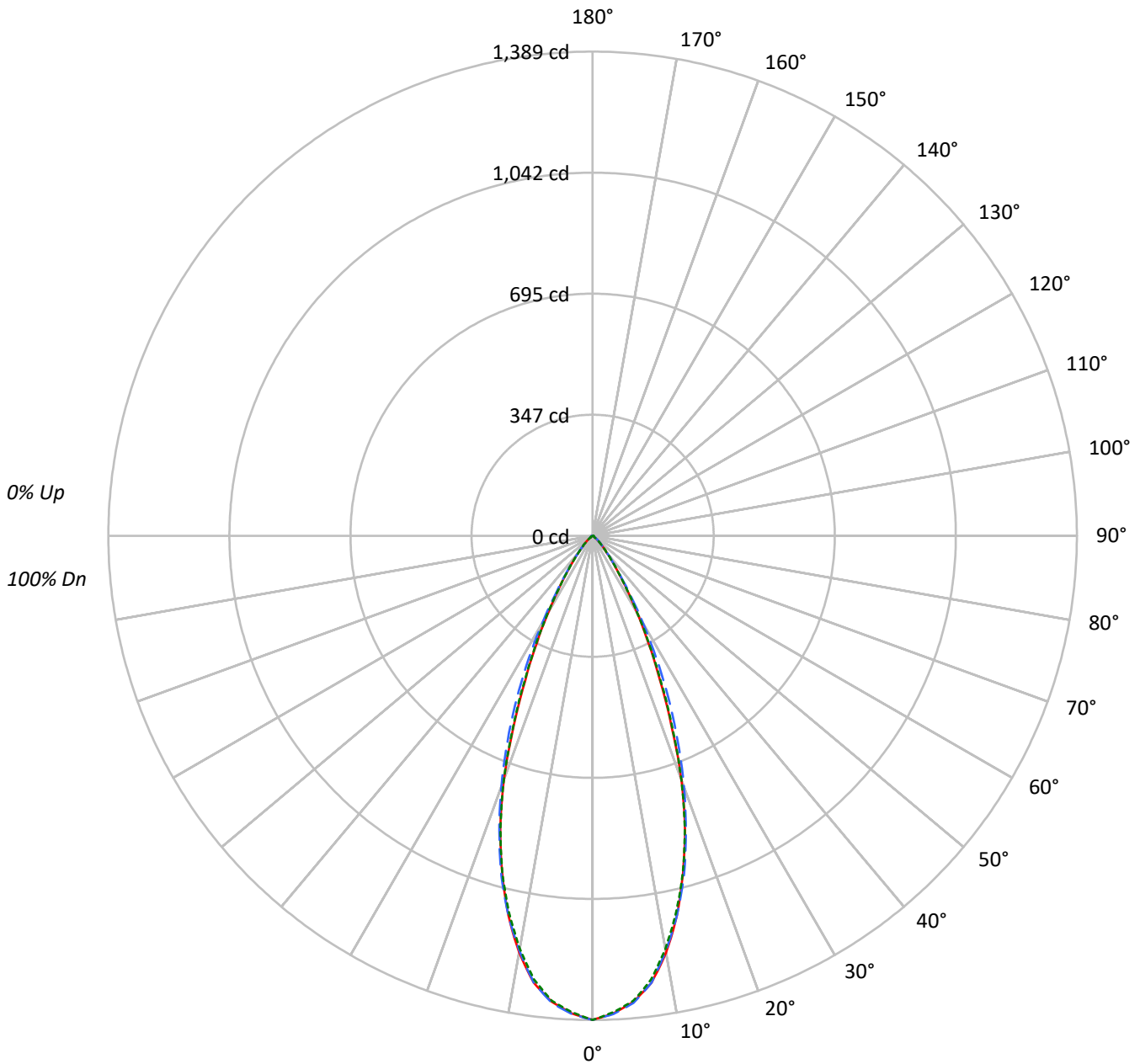
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P283925

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW

Luminous Intensity Polar Plot





TEST NUMBER: P283925

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW

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°	685230	685230	685230
5°	664621	666205	663234
10°	608331	605926	602269
15°	511736	516435	510868
20°	391301	401696	390671
25°	248502	280184	253347
30°	144529	163158	147036
35°	76370	81248	76671
40°	40317	42120	40317
45°	22536	23374	22815
50°	10515	13355	10515
55°	3785	7311	4129
60°	4342	4342	4342
65°	4670	5137	4670
70°	5770	5193	5770
75°	5337	5337	5337
80°	5682	4546	5682
85°	4529	4529	4529



TEST NUMBER: P283925

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	16.5
10°-20°	276.0	36.6
20°-30°	222.9	29.6
30°-40°	88.1	11.7
40°-50°	27.0	3.6
50°-60°	7.0	0.9
60°-70°	4.2	0.6
70°-80°	3.1	0.4
80°-90°	0.9	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°	622.9	82.7
0°-40°	711.0	94.4
0°-60°	745.1	98.9
0°-90°	753.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1342	1344	1345	1342	1339	124
15°	1002	1005	1011	1007	1000	275
25°	456	478	515	487	465	213
35°	127	130	135	131	127	85
45°	32	33	34	33	33	26
55°	4	6	8	6	5	6
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P283925

CATALOG NUMBER: LDA2B109030D010 EU2B10WFL559030 2LBALPINSQ1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1388.9	1388.9	1388.9	1388.9	1388.9
2.5°	1371.5	1372.3	1373.5	1371.9	1367.9
5°	1342.0	1344.4	1345.2	1342.4	1339.2
7.5°	1293.5	1290.7	1293.1	1288.3	1284.2
10°	1214.3	1210.7	1209.5	1202.2	1202.2
12.5°	1116.6	1115.4	1116.2	1112.5	1106.9
15°	1001.9	1004.7	1011.1	1007.1	1000.2
17.5°	880.3	884.3	890.0	888.7	879.4
20°	745.3	757.0	765.1	757.4	744.1
22.5°	591.8	616.9	637.5	621.3	599.5
25°	456.5	478.3	514.7	487.2	465.4
27.5°	346.2	362.0	395.1	368.0	353.1
30°	253.7	263.4	286.4	268.6	258.1
32.5°	181.4	188.3	197.9	187.4	182.2
35°	126.8	130.5	134.9	130.9	127.3
37.5°	89.3	90.5	93.7	90.5	88.9
40°	62.6	63.0	65.4	63.4	62.6
42.5°	45.2	45.2	46.5	45.6	45.2
45°	32.3	32.7	33.5	33.1	32.7
47.5°	23.0	23.8	23.8	24.2	22.6
50°	13.7	17.0	17.4	17.0	13.7
52.5°	7.3	10.1	12.5	10.1	7.3
55°	4.4	6.1	8.5	6.1	4.8
57.5°	4.4	4.4	5.7	4.8	4.4
60°	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	4.4	4.4	4.4	4.4
65°	4.0	4.4	4.4	4.4	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	4.0	4.0	3.6	4.0	4.0
72.5°	3.6	3.6	3.2	3.6	3.6
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.0	2.0	1.6	2.0	2.0
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
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)