

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: P#

Luminaire Tested: **LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14812)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 600.4 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.76 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

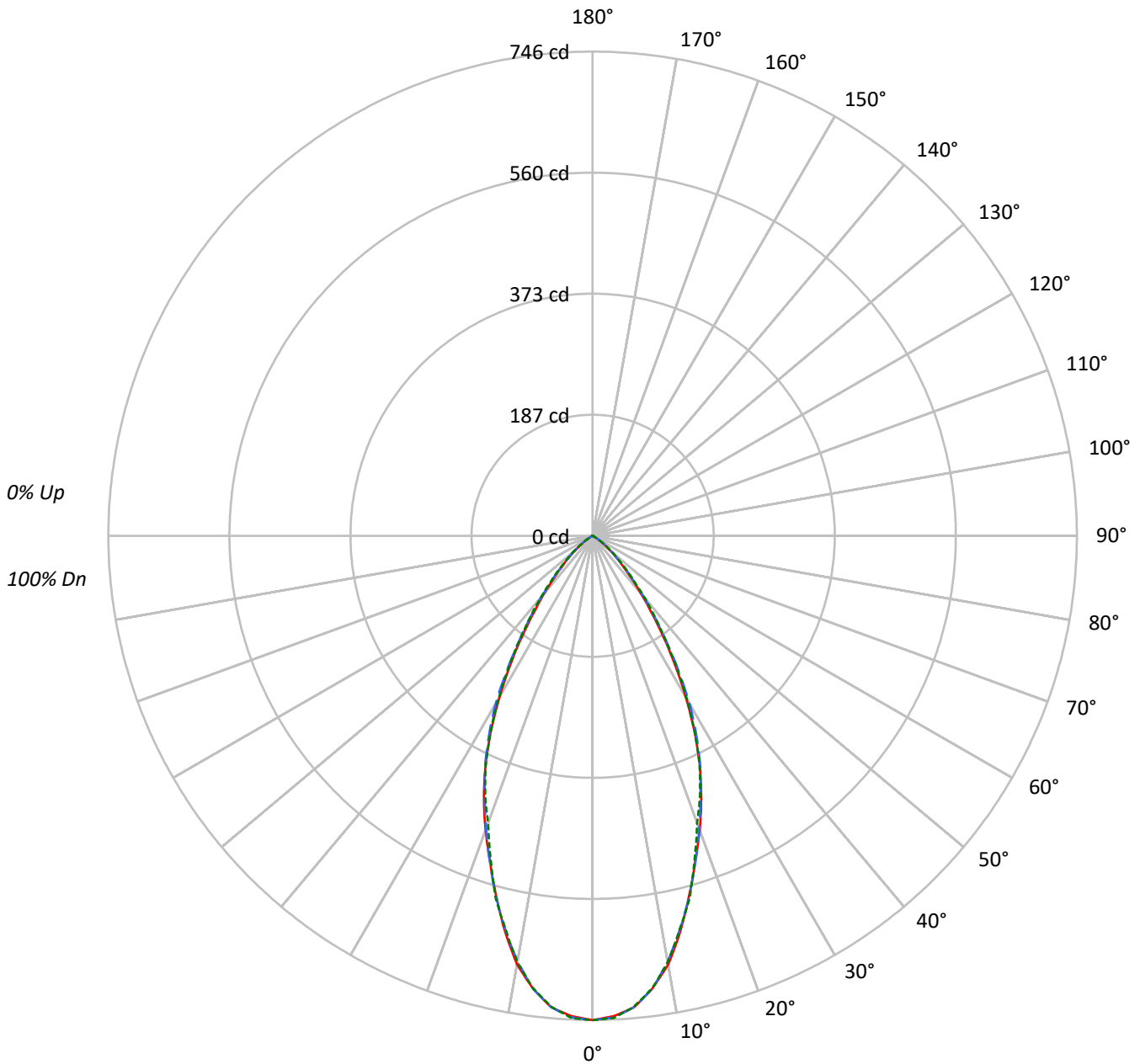
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																			
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69																			
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64																			
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60																			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	63	58	54	62	58	54	62	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	289115	289115	289115
5°	283609	283609	283221
10°	263801	261913	262306
15°	230180	230581	231704
20°	198765	197982	194066
25°	166810	167622	166383
30°	128366	133465	129663
35°	89607	93154	92255
40°	58452	60829	62750
45°	35825	37907	39441
50°	21091	22839	23984
55°	8982	11548	10873
60°	1472	2944	2169
65°	825	825	825
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	11.3
10°-20°	160.0	26.6
20°-30°	177.2	29.5
30°-40°	123.3	20.5
40°-50°	55.5	9.2
50°-60°	15.7	2.6
60°-70°	1.1	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	404.8	67.4
0°-40°	528.1	88.0
0°-60°	599.3	99.8
0°-90°	600.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	729	732	729	727	728	68
15°	574	577	575	574	578	160
25°	390	393	392	387	389	177
35°	190	195	197	197	195	120
45°	65	67	69	71	72	53
55°	13	15	17	17	16	13
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B10D010 EU2B10WFL559024 2LBDSQLC*MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.4	746.4	746.4	746.4	746.4
2.5°	740.8	744.6	742.7	742.7	743.6
5°	729.4	732.2	729.4	726.6	728.4
7.5°	703.8	706.7	703.8	701.9	702.9
10°	670.7	668.8	665.9	664.0	666.9
12.5°	624.3	623.3	621.4	620.5	620.5
15°	574.0	576.9	575.0	574.0	577.8
17.5°	525.7	528.6	526.7	523.8	521.9
20°	482.2	483.1	480.3	475.5	470.8
22.5°	437.6	438.6	433.8	432.0	432.0
25°	390.3	393.1	392.2	387.4	389.3
27.5°	339.1	343.9	345.8	340.1	340.1
30°	287.0	290.8	298.4	290.8	289.9
32.5°	235.9	241.6	245.3	244.4	241.6
35°	189.5	195.1	197.0	197.0	195.1
37.5°	147.8	153.5	155.4	157.2	157.2
40°	115.6	118.4	120.3	123.1	124.1
42.5°	87.1	90.0	92.8	94.7	93.8
45°	65.4	67.3	69.2	71.0	72.0
47.5°	49.3	49.3	51.2	53.0	53.0
50°	35.0	36.9	37.9	38.8	39.8
52.5°	23.7	24.6	26.5	27.5	26.5
55°	13.3	15.2	17.1	17.1	16.1
57.5°	5.7	8.5	9.5	9.5	7.6
60°	1.9	3.8	3.8	4.7	2.8
62.5°	0.9	1.9	1.9	1.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
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)