

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: **LD2B15D010 EU2B15WFL559027 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: LD2B15D010 EU2B15WFL559027 2LBDSQLC*MB
Description: 1500 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: 871.0 lumens
Efficiency: N/A
Efficacy: 60.9 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

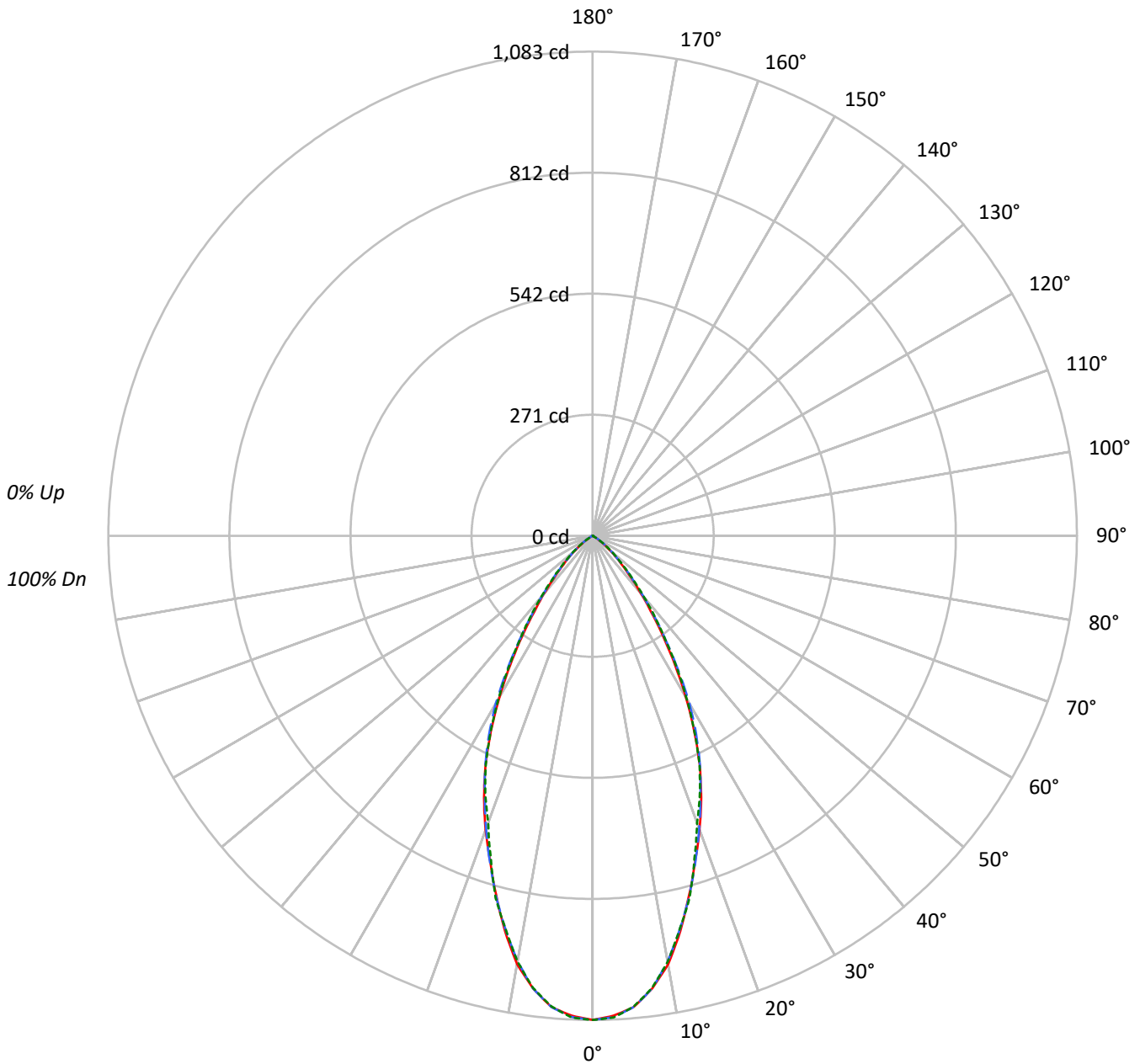
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74				74
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69				69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64				64
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60				60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56				56
9	75	65	59	55	74	64	59	55	63	58	54	62	58	54	62	57	54	53				53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419457	419457	419457
5°	411416	411416	410911
10°	382662	379988	380499
15°	333961	334483	336167
20°	288337	287183	281536
25°	241988	243142	241389
30°	186243	193623	188076
35°	129943	135144	133867
40°	84797	88235	91016
45°	51930	54943	57189
50°	30612	33143	34770
55°	12966	16680	15802
60°	2092	4261	3176
65°	1283	1283	1283
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	11.3
10°-20°	232.1	26.6
20°-30°	257.1	29.5
30°-40°	178.9	20.5
40°-50°	80.6	9.2
50°-60°	22.7	2.6
60°-70°	1.6	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°	587.2	67.4
0°-40°	766.2	88.0
0°-60°	869.4	99.8
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1058	1062	1058	1054	1057	98
15°	833	837	834	833	838	232
25°	566	570	569	562	565	257
35°	275	283	286	286	283	173
45°	95	98	100	103	104	77
55°	19	22	25	25	23	19
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1082.9	1082.9	1082.9	1082.9	1082.9
2.5°	1074.6	1080.1	1077.4	1077.4	1078.7
5°	1058.1	1062.3	1058.1	1054.0	1056.8
7.5°	1021.0	1025.2	1021.0	1018.3	1019.7
10°	972.9	970.2	966.1	963.3	967.4
12.5°	905.6	904.2	901.5	900.1	900.1
15°	832.8	836.9	834.1	832.8	838.3
17.5°	762.7	766.8	764.1	759.9	757.2
20°	699.5	700.8	696.7	689.8	683.0
22.5°	634.9	636.3	629.4	626.6	626.6
25°	566.2	570.3	568.9	562.0	564.8
27.5°	492.0	498.8	501.6	493.3	493.3
30°	416.4	421.9	432.9	421.9	420.5
32.5°	342.2	350.4	355.9	354.5	350.4
35°	274.8	283.1	285.8	285.8	283.1
37.5°	214.4	222.6	225.4	228.1	228.1
40°	167.7	171.8	174.5	178.6	180.0
42.5°	126.4	130.5	134.7	137.4	136.0
45°	94.8	97.6	100.3	103.1	104.4
47.5°	71.5	71.5	74.2	77.0	77.0
50°	50.8	53.6	55.0	56.3	57.7
52.5°	34.4	35.7	38.5	39.9	38.5
55°	19.2	22.0	24.7	24.7	23.4
57.5°	8.2	12.4	13.7	13.7	11.0
60°	2.7	5.5	5.5	6.9	4.1
62.5°	1.4	2.7	2.7	2.7	1.4
65°	1.4	1.4	1.4	1.4	1.4
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



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







(END OF REPORT)