

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 EU2B15WFL558040 2LBDSQLC*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL558040 2LBDSQLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1214.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

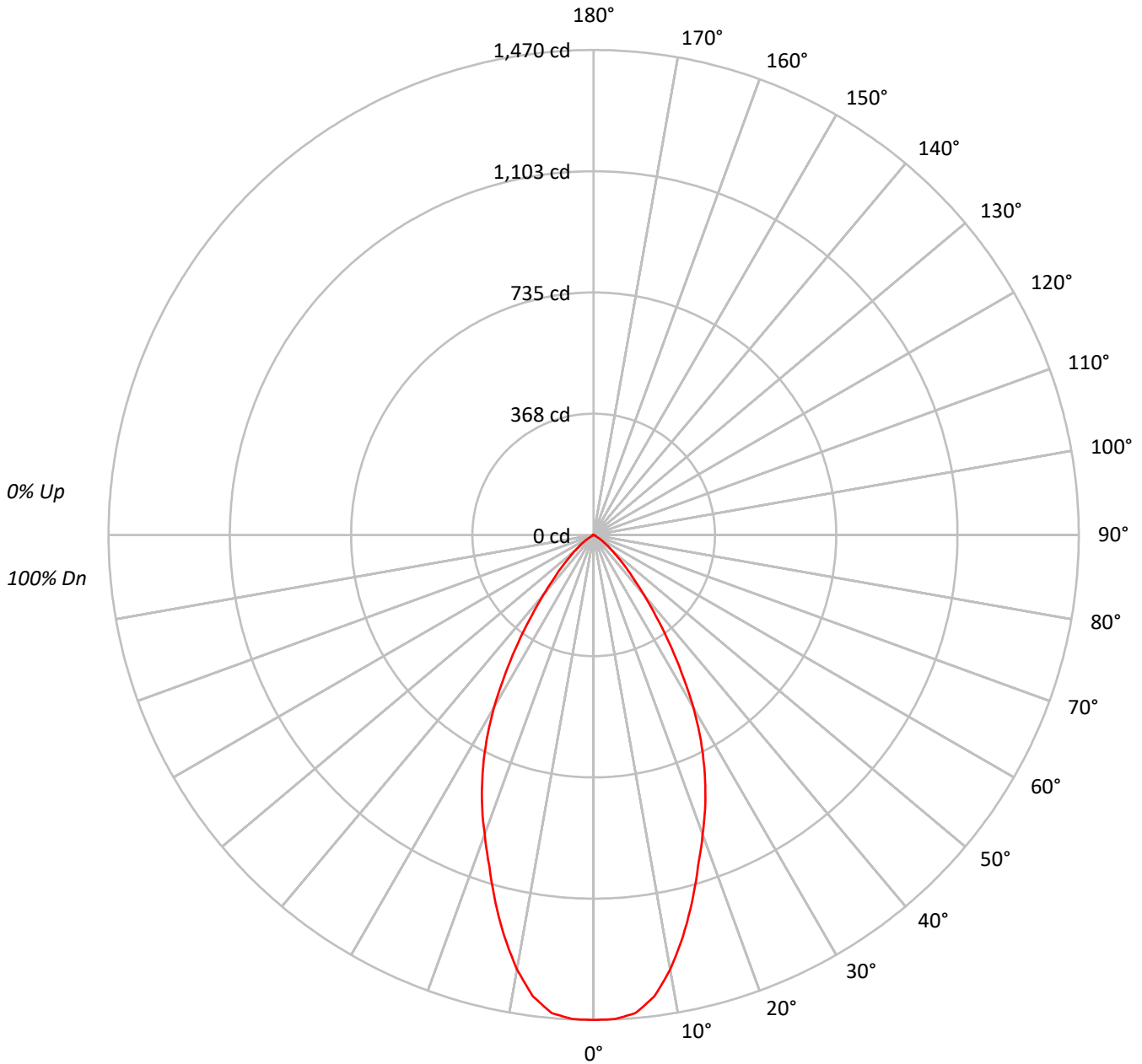
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93				93
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80				80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69				69
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64				64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60				60
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56				56
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53				53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	569476
5°	565858
10°	526028
15°	461803
20°	398066
25°	340415
30°	270150
35°	188294
40°	119130
45°	72692
50°	43026
55°	23501
60°	5113
65°	4583
70°	3737
75°	4939
80°	3792
85°	7555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	11.1
10°-20°	320.7	26.4
20°-30°	361.8	29.8
30°-40°	250.3	20.6
40°-50°	106.7	8.8
50°-60°	30.8	2.5
60°-70°	4.5	0.4
70°-80°	2.8	0.2
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°	817.6	67.4
0°-40°	1067.9	88.0
0°-60°	1205.5	99.3
0°-90°	1214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1470	
5°	1455	135
15°	1152	321
25°	796	362
35°	398	250
45°	133	107
55°	35	31
65°	5	5
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1470.2
2.5°	1468.5
5°	1455.3
7.5°	1410.5
10°	1337.4
12.5°	1247.8
15°	1151.6
17.5°	1052.0
20°	965.7
22.5°	884.4
25°	796.5
27.5°	703.6
30°	604.0
32.5°	496.1
35°	398.2
37.5°	308.6
40°	235.6
42.5°	177.6
45°	132.7
47.5°	96.2
50°	71.4
52.5°	51.4
55°	34.8
57.5°	14.9
60°	6.6
62.5°	5.0
65°	5.0
67.5°	3.3
70°	3.3
72.5°	3.3
75°	3.3
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)