

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 EU2B10WFL559030D2W 2LBDC*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: LD2B10D010 EU2B10WFL559030D2W 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.7 lumens
Efficiency: N/A
Efficacy: 56.0 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

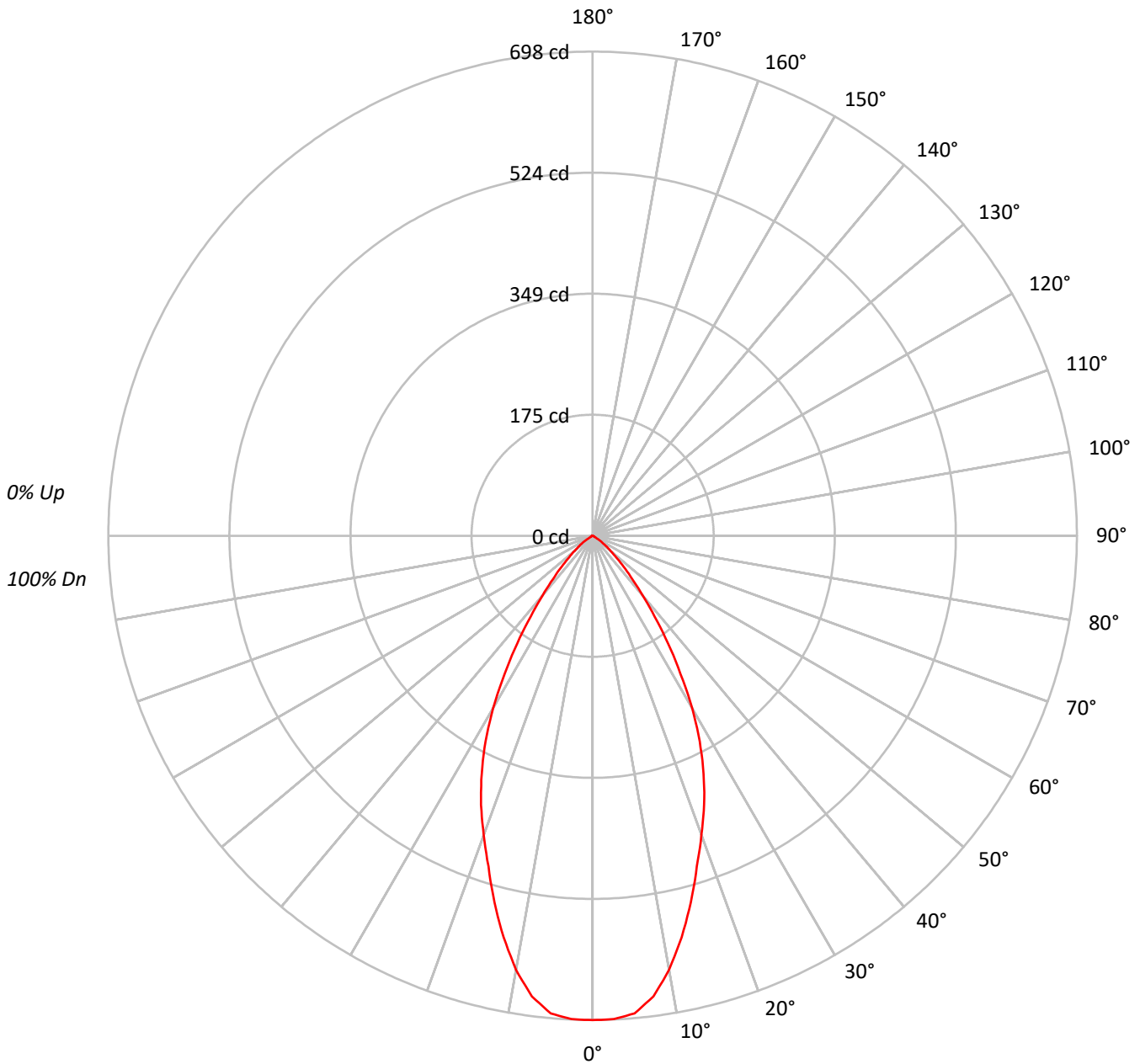
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	52				52
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°	270445
5°	268756
10°	249838
15°	219312
20°	189078
25°	161681
30°	128321
35°	89418
40°	56582
45°	34511
50°	20428
55°	11210
60°	2479
65°	2200
70°	1812
75°	2395
80°	1785
85°	3555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	11.1
10°-20°	152.3	26.4
20°-30°	171.9	29.8
30°-40°	118.9	20.6
40°-50°	50.7	8.8
50°-60°	14.7	2.5
60°-70°	2.2	0.4
70°-80°	1.4	0.2
80°-90°	0.5	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°	388.3	67.3
0°-40°	507.2	88.0
0°-60°	572.6	99.3
0°-90°	576.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	698	
5°	691	64
15°	547	152
25°	378	172
35°	189	119
45°	63	51
55°	17	15
65°	2	2
75°	2	1
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	698.2
2.5°	697.5
5°	691.2
7.5°	669.9
10°	635.2
12.5°	592.6
15°	546.9
17.5°	499.6
20°	458.7
22.5°	420.1
25°	378.3
27.5°	334.2
30°	286.9
32.5°	235.7
35°	189.1
37.5°	146.6
40°	111.9
42.5°	84.4
45°	63.0
47.5°	45.7
50°	33.9
52.5°	24.4
55°	16.6
57.5°	7.1
60°	3.2
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)