

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: P224725

Luminaire Tested: **LD2B10D010 EU2B10FL409040 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409040 2LBD*
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 872.6 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

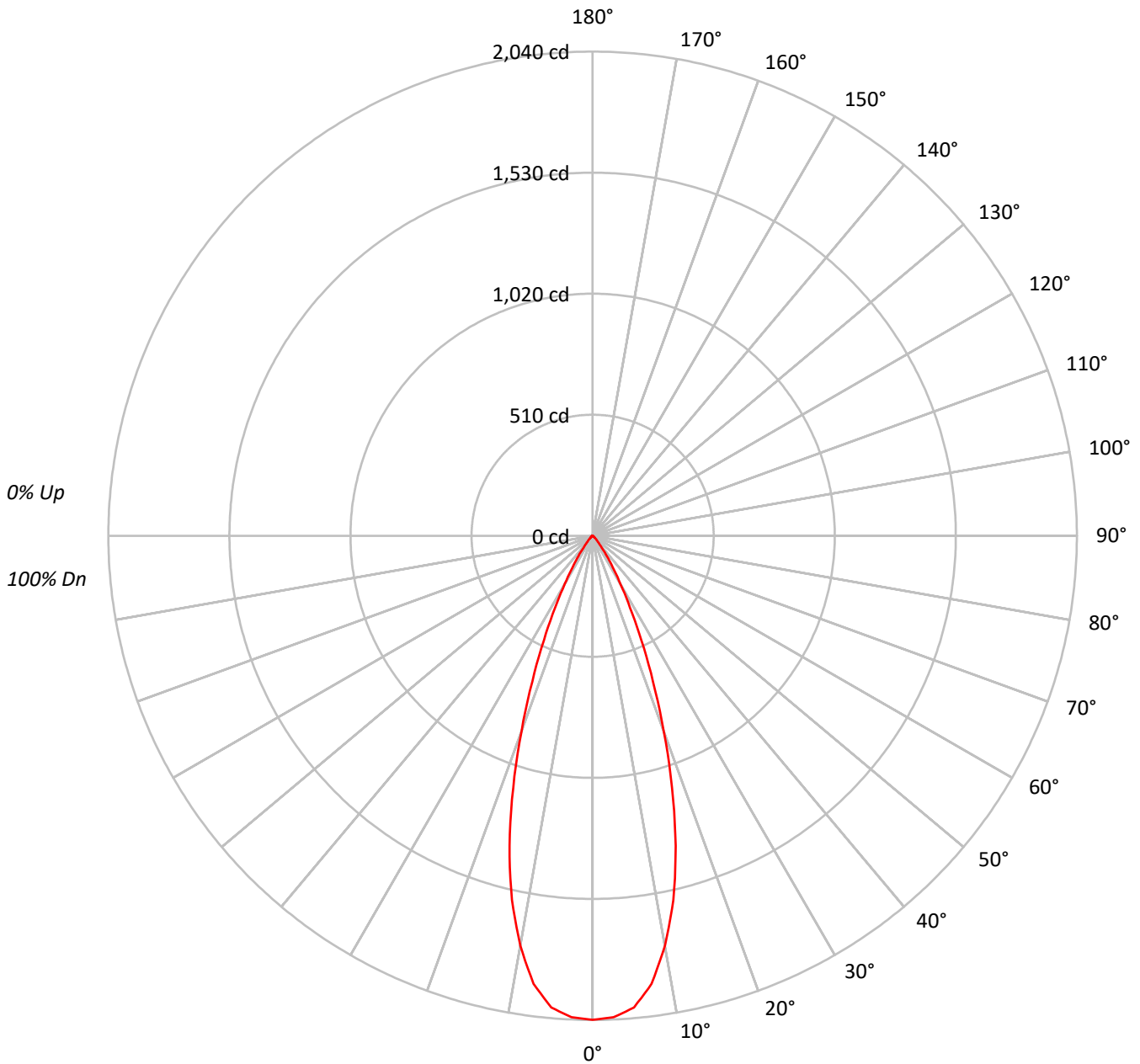
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91				91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86				86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82				82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79				79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75				75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72				72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69				69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66				66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64				64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	789992
5°	775590
10°	689453
15°	542246
20°	360803
25°	207155
30°	104616
35°	49225
40°	19821
45°	9805
50°	5423
55°	3782
60°	3486
65°	2016
70°	2492
75°	1646
80°	2454
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	20.9
10°-20°	366.3	42.0
20°-30°	227.9	26.1
30°-40°	70.1	8.0
40°-50°	15.4	1.8
50°-60°	5.5	0.6
60°-70°	2.8	0.3
70°-80°	1.6	0.2
80°-90°	0.4	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°	776.8	89.0
0°-40°	846.9	97.1
0°-60°	867.8	99.5
0°-90°	872.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2040	
5°	1995	183
15°	1352	366
25°	485	228
35°	104	70
45°	18	15
55°	6	5
65°	2	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2039.5
2.5°	2030.5
5°	1994.7
7.5°	1904.0
10°	1752.9
12.5°	1571.6
15°	1352.2
17.5°	1112.6
20°	875.3
22.5°	663.8
25°	484.7
27.5°	341.4
30°	233.9
32.5°	157.8
35°	104.1
37.5°	62.7
40°	39.2
42.5°	26.9
45°	17.9
47.5°	12.3
50°	9.0
52.5°	7.8
55°	5.6
57.5°	4.5
60°	4.5
62.5°	3.4
65°	2.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)