

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: P222304

Luminaire Tested: **LD2B10D010 EU2B10NFL259730 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10NFL259730 2LBDL*GPH
Description: 1000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 708.5 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

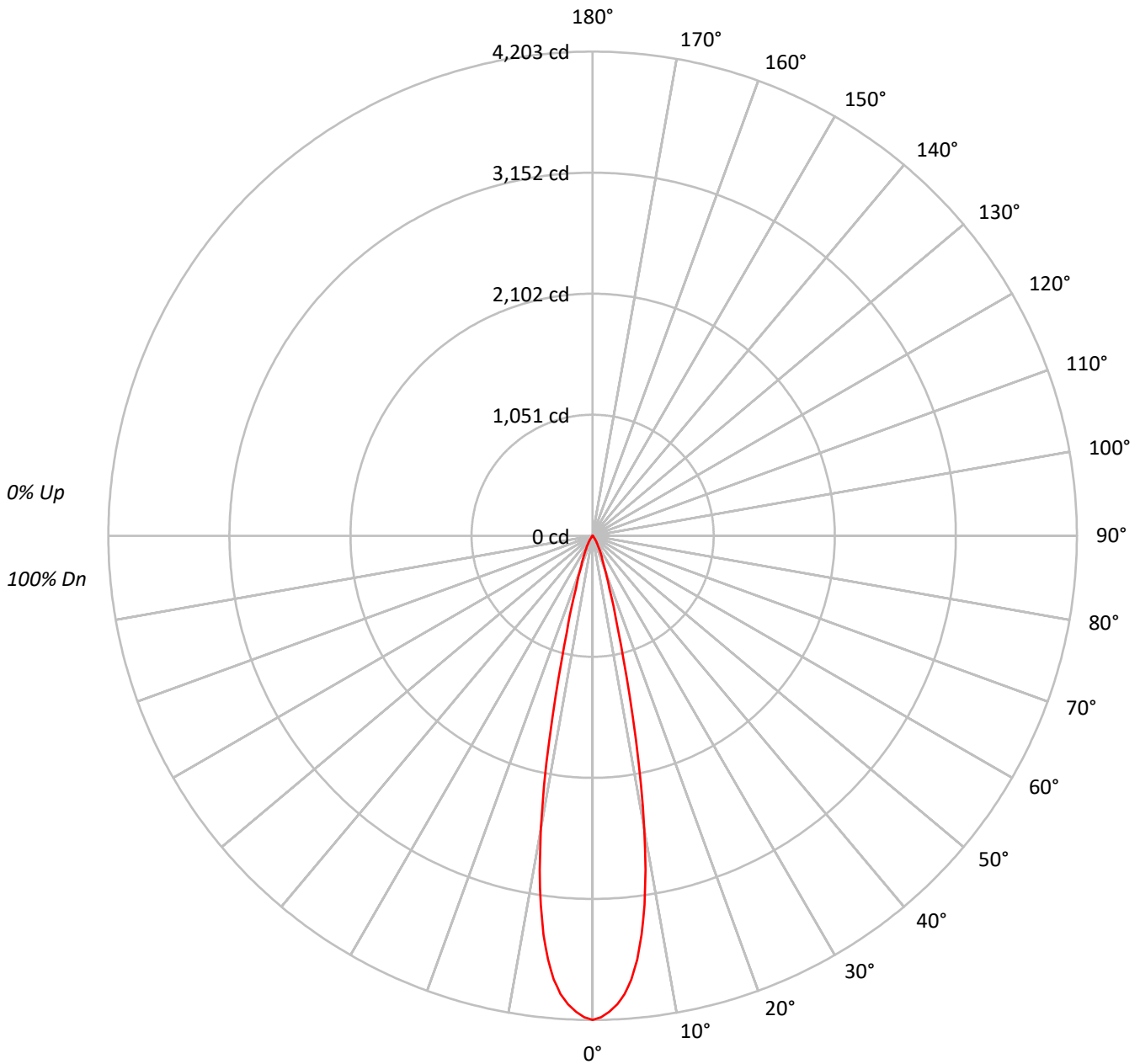
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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			100																
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97			97																
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95			95																
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92			92																
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90			90																
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88			88																
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86			86																
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84			84																
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82			82																
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80			80																
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79			79																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1628131
5°	1503277
10°	1017523
15°	346192
20°	127165
25°	67399
30°	34663
35°	16172
40°	5309
45°	2684
50°	1265
55°	473
60°	542
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	46.4
10°-20°	276.5	39.0
20°-30°	75.9	10.7
30°-40°	22.1	3.1
40°-50°	4.1	0.6
50°-60°	0.9	0.1
60°-70°	0.1	0.0
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°	681.3	96.2
0°-40°	703.4	99.3
0°-60°	708.4	100.0
0°-90°	708.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4203	
5°	3866	329
15°	863	277
25°	158	76
35°	34	22
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4203.3
1°	4178.8
2°	4135.6
3°	4073.5
4°	3988.3
5°	3866.2
6°	3699.4
7°	3490.7
8°	3236.0
9°	2935.2
10°	2587.0
11°	2205.3
12°	1808.2
13°	1429.2
14°	1106.1
15°	863.3
17.5°	487.1
20°	308.5
22.5°	219.8
25°	157.7
27.5°	111.7
30°	77.5
32.5°	54.4
35°	34.2
37.5°	14.0
40°	10.5
42.5°	7.7
45°	4.9
47.5°	2.8
50°	2.1
52.5°	1.4
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)