

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 EU2B1010SP159040 2LBPIN**

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 (P14823)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP159040 2LBPIN
Description: 1000 Lumen, 2inch Portfolio LED Downlight
SPOT OPTIC
ROUND PINHOLE BLACK OCULUS
Light Source: -
Ballast/Driver: -

Summary

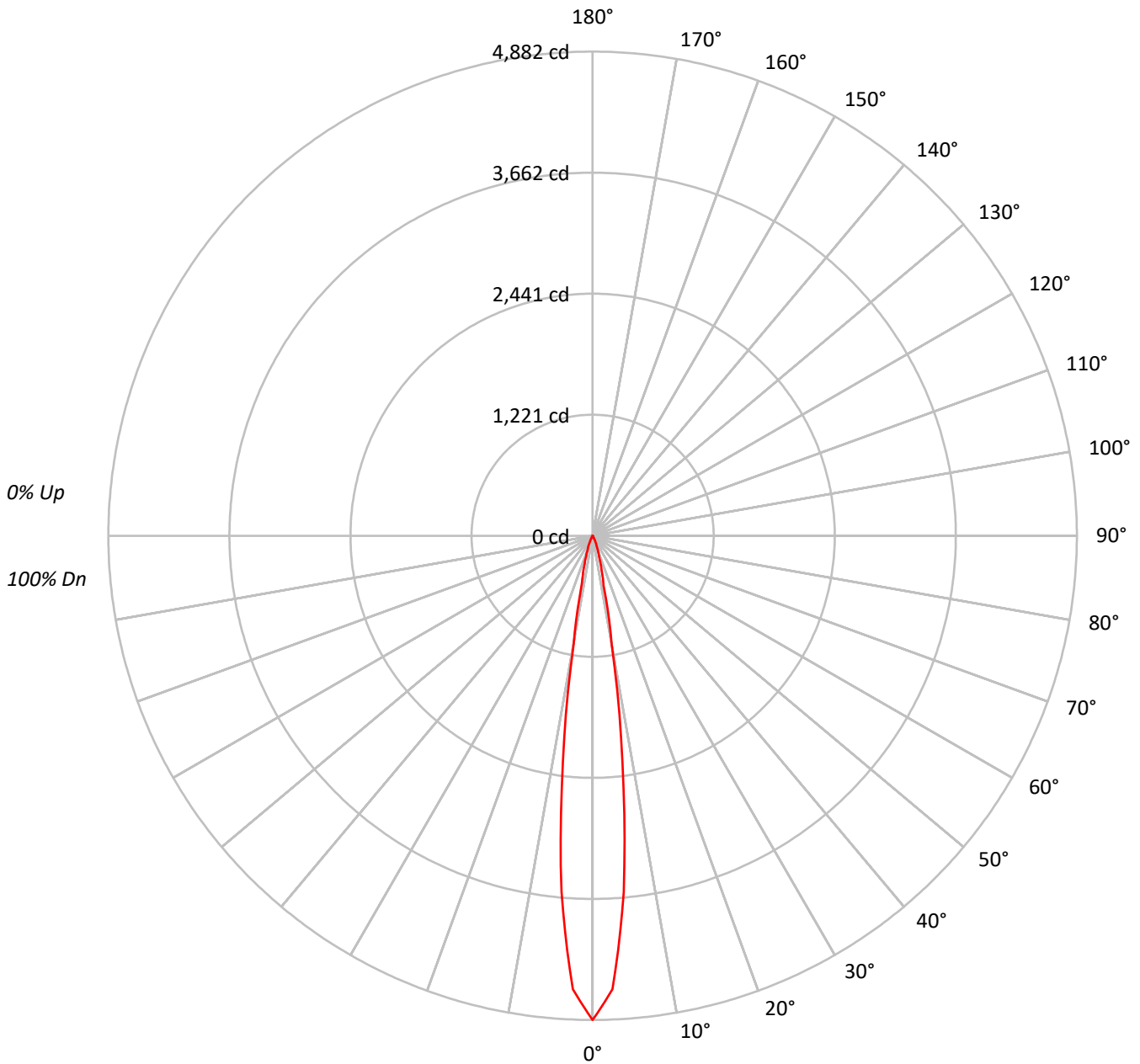
Lumens per Lamp: N/A
Luminaire Lumens: 412.3 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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									
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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98									98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	98	98	98	98	98	98	98	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	96	96	96	96	96	96	96	96	96	95																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	94	94	94	94	94	94	94	94	94	93																			
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92	92	92	92	92	92	92	92	92	91																			
6	103	98	95	93	102	98	95	93	97	94	92	95	93	91	94	92	91	91	91	91	91	91	91	91	91	91	90																			
7	102	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89	89	89	89	89	89	89	89	89	89																			
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	88	88	88	88	88	88	88	88	88	87																			
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	87	87	87	87	87	87	87	87	87	86																			
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	86	86	86	86	86	86	86	86	86	85																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1891781
5°	1402532
10°	436075
15°	138960
20°	60575
25°	26850
30°	9933
35°	4825
40°	3288
45°	2028
50°	1085
55°	1216
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	63.3
10°-20°	109.0	26.4
20°-30°	31.2	7.6
30°-40°	7.0	1.7
40°-50°	2.9	0.7
50°-60°	1.3	0.3
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°	400.9	97.2
0°-40°	408.0	99.0
0°-60°	412.2	100.0
0°-90°	412.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	412.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4882	
5°	3606	261
15°	346	109
25°	63	31
35°	10	7
45°	4	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4882.2
2.5°	4577.4
5°	3605.8
7.5°	2298.9
10°	1108.3
12.5°	515.4
15°	346.4
17.5°	215.2
20°	146.9
22.5°	99.7
25°	62.8
27.5°	36.9
30°	22.2
32.5°	13.9
35°	10.2
37.5°	7.4
40°	6.5
42.5°	4.6
45°	3.7
47.5°	2.8
50°	1.8
52.5°	1.8
55°	1.8
57.5°	0.9
60°	0.9
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)