

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 EU2B1010SP158027 2LBPINW**

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 EU2B1010SP158027 2LBPINW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
SPOT OPTIC  
ROUND PINHOLE WHITE OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 498.0 lumens  
Efficiency: N/A  
Efficacy: 48.3 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

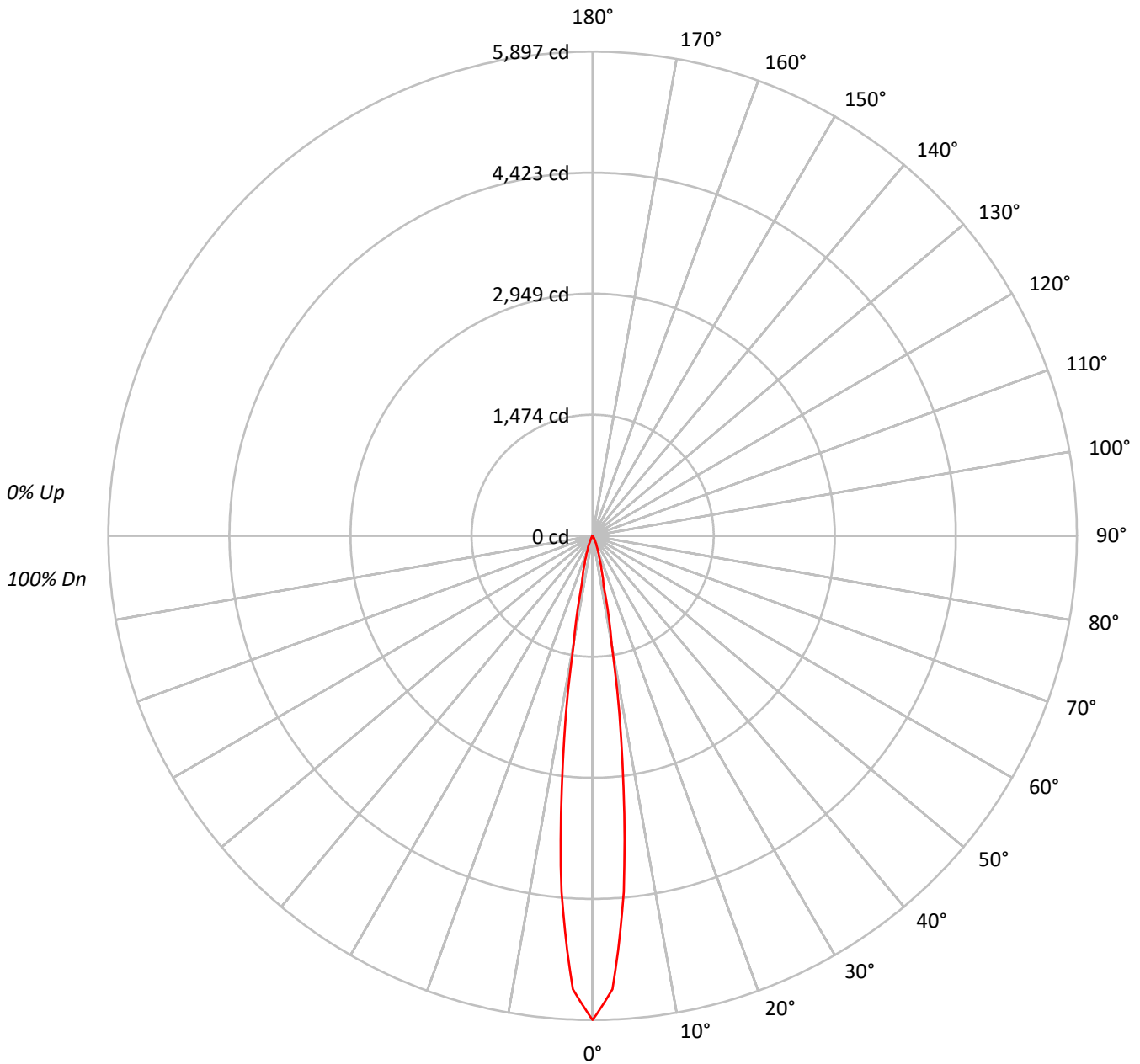
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96	96	96	96
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	95	95	95	95
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93	93	93	93
5	105	101	97	95	104	100	97	95	98	96	94	97	95	93	96	94	92	91	91	91	91
6	103	98	95	93	102	98	95	93	97	94	92	95	93	91	94	92	91	90	90	90	90
7	102	96	93	91	101	96	93	91	95	92	90	94	92	90	93	91	89	89	89	89	89
8	100	95	91	89	99	94	91	89	93	91	89	93	90	88	92	90	88	87	87	87	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86	86	86	86
10	97	92	88	86	96	91	88	86	91	88	86	90	88	86	90	87	86	85	85	85	85

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2285002
5°	1694023
10°	526729
15°	167803
20°	73151
25°	32451
30°	11991
35°	5818
40°	3945
45°	2466
50°	1326
55°	1486
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.0	63.3
10°-20°	131.6	26.4
20°-30°	37.7	7.6
30°-40°	8.5	1.7
40°-50°	3.5	0.7
50°-60°	1.6	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°	484.3	97.3
0°-40°	492.7	98.9
0°-60°	497.8	100.0
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5897	
5°	4355	315
15°	418	132
25°	76	38
35°	12	8
45°	4	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5897.0
2.5°	5528.8
5°	4355.2
7.5°	2776.7
10°	1338.7
12.5°	622.5
15°	418.3
17.5°	259.9
20°	177.4
22.5°	120.5
25°	75.9
27.5°	44.6
30°	26.8
32.5°	16.7
35°	12.3
37.5°	8.9
40°	7.8
42.5°	5.6
45°	4.5
47.5°	3.3
50°	2.2
52.5°	2.2
55°	2.2
57.5°	1.1
60°	1.1
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)