

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: **LD2B05D010 EU2B0510SP158027 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: LD2B05D010 EU2B0510SP158027 2LBPIN  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
SPOT OPTIC  
ROUND PINHOLE BLACK OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 355.3 lumens  
Efficiency: N/A  
Efficacy: 48.7 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

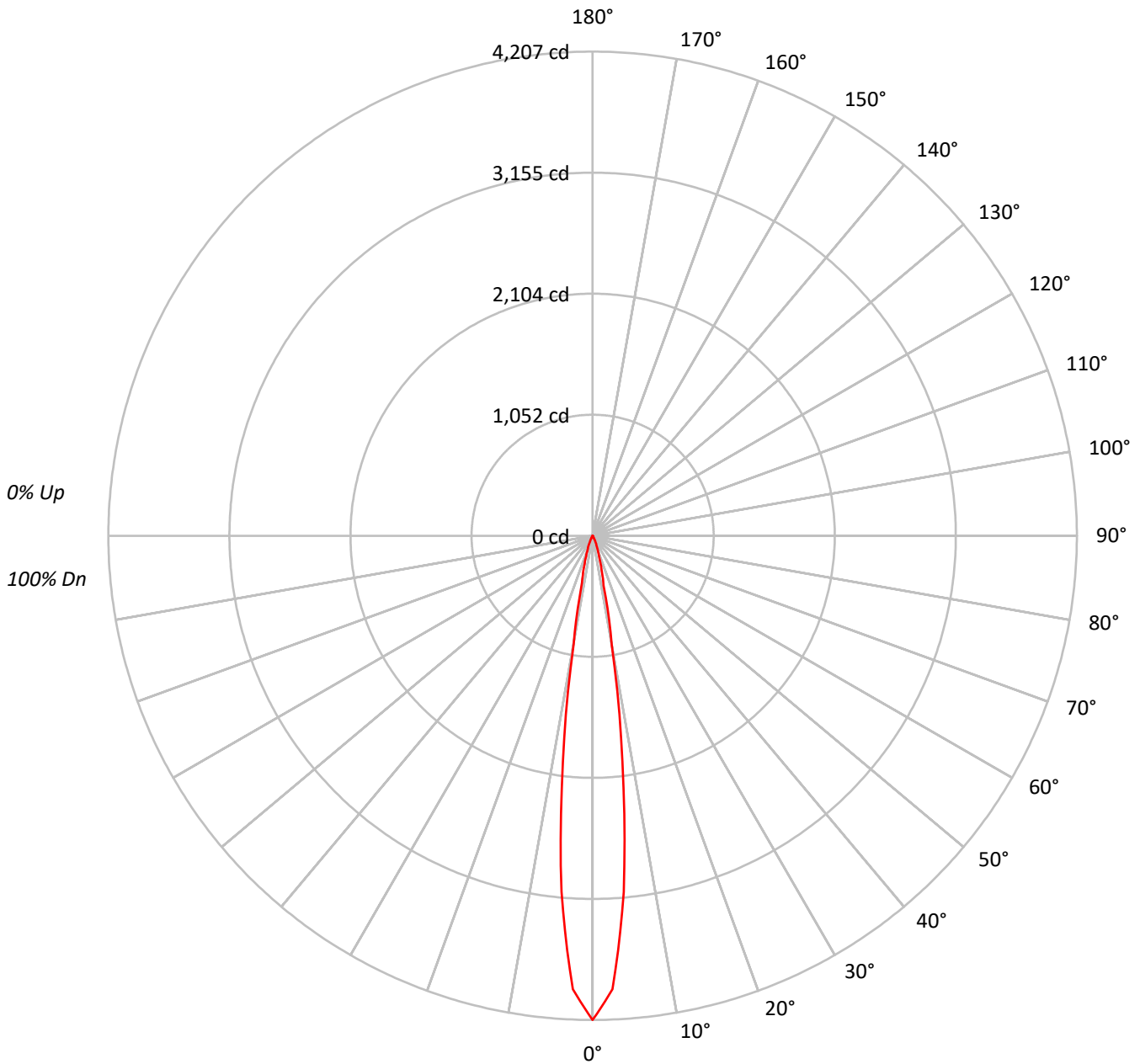
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	97	94	92	95	93	91	94	92	91	90	90	90	90
7	101	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°	1630229
5°	1208633
10°	375797
15°	119745
20°	52204
25°	23130
30°	8546
35°	4163
40°	2833
45°	1754
50°	965
55°	1081
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.7	63.2
10°-20°	93.9	26.4
20°-30°	26.9	7.6
30°-40°	6.0	1.7
40°-50°	2.5	0.7
50°-60°	1.2	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°	345.5	97.2
0°-40°	351.6	98.9
0°-60°	355.2	100.0
0°-90°	355.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4207	
5°	3107	225
15°	298	94
25°	54	27
35°	9	6
45°	3	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4207.2
2.5°	3944.6
5°	3107.3
7.5°	1981.0
10°	955.1
12.5°	444.1
15°	298.5
17.5°	185.4
20°	126.6
22.5°	86.0
25°	54.1
27.5°	31.8
30°	19.1
32.5°	11.9
35°	8.8
37.5°	6.4
40°	5.6
42.5°	4.0
45°	3.2
47.5°	2.4
50°	1.6
52.5°	1.6
55°	1.6
57.5°	0.8
60°	0.8
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)