

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: P225512

Luminaire Tested: **LD2B10D010 EU2B10FL408050 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10FL408050 2LBDL\*H  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1003.3 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

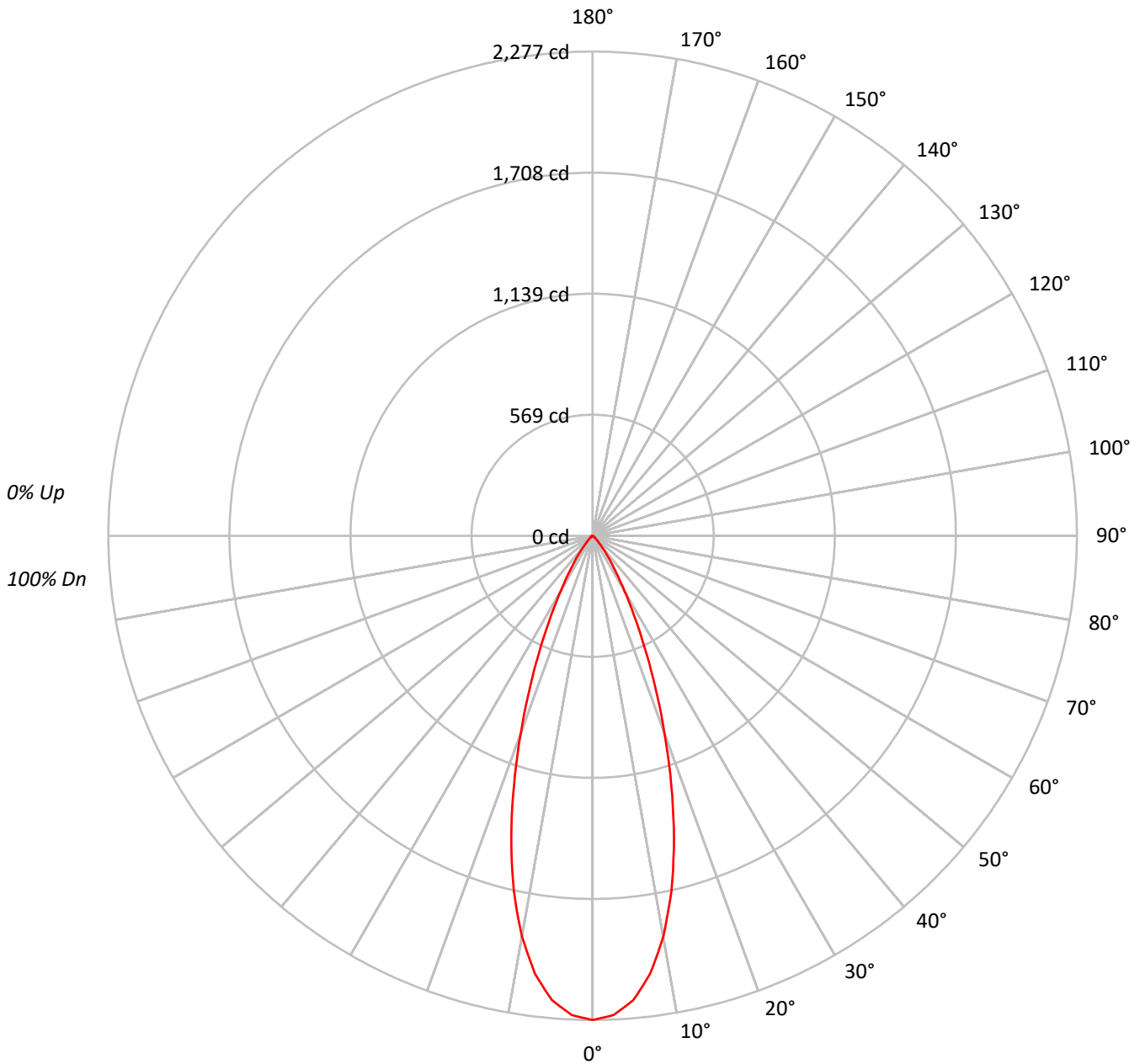
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	86	86	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82	82	82	82
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78	78	78	78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74	74	74	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71	71	71	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68	68	68	68
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62	62	62	62

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

	0°
0°	881948
5°	852578
10°	752267
15°	592653
20°	407259
25°	245920
30°	133331
35°	68518
40°	33474
45°	15886
50°	8316
55°	5605
60°	3176
65°	1283
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	20.0
10°-20°	402.3	40.1
20°-30°	268.8	26.8
30°-40°	97.3	9.7
40°-50°	25.1	2.5
50°-60°	7.5	0.7
60°-70°	1.9	0.2
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°	871.5	86.9
0°-40°	968.8	96.6
0°-60°	1001.4	99.8
0°-90°	1003.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2277	
5°	2193	200
15°	1478	402
25°	575	269
35°	145	97
45°	29	25
55°	8	7
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2276.9
2.5°	2256.2
5°	2192.7
7.5°	2076.8
10°	1912.6
12.5°	1711.1
15°	1477.9
17.5°	1229.5
20°	988.0
22.5°	765.9
25°	575.4
27.5°	419.5
30°	298.1
32.5°	209.7
35°	144.9
37.5°	100.7
40°	66.2
42.5°	42.8
45°	29.0
47.5°	20.7
50°	13.8
52.5°	11.0
55°	8.3
57.5°	5.5
60°	4.1
62.5°	2.8
65°	1.4
67.5°	1.4
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)