

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: P203635

Luminaire Tested: **LD6B15D010 EU6B10208030 6LBNH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10208030 6LBNH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

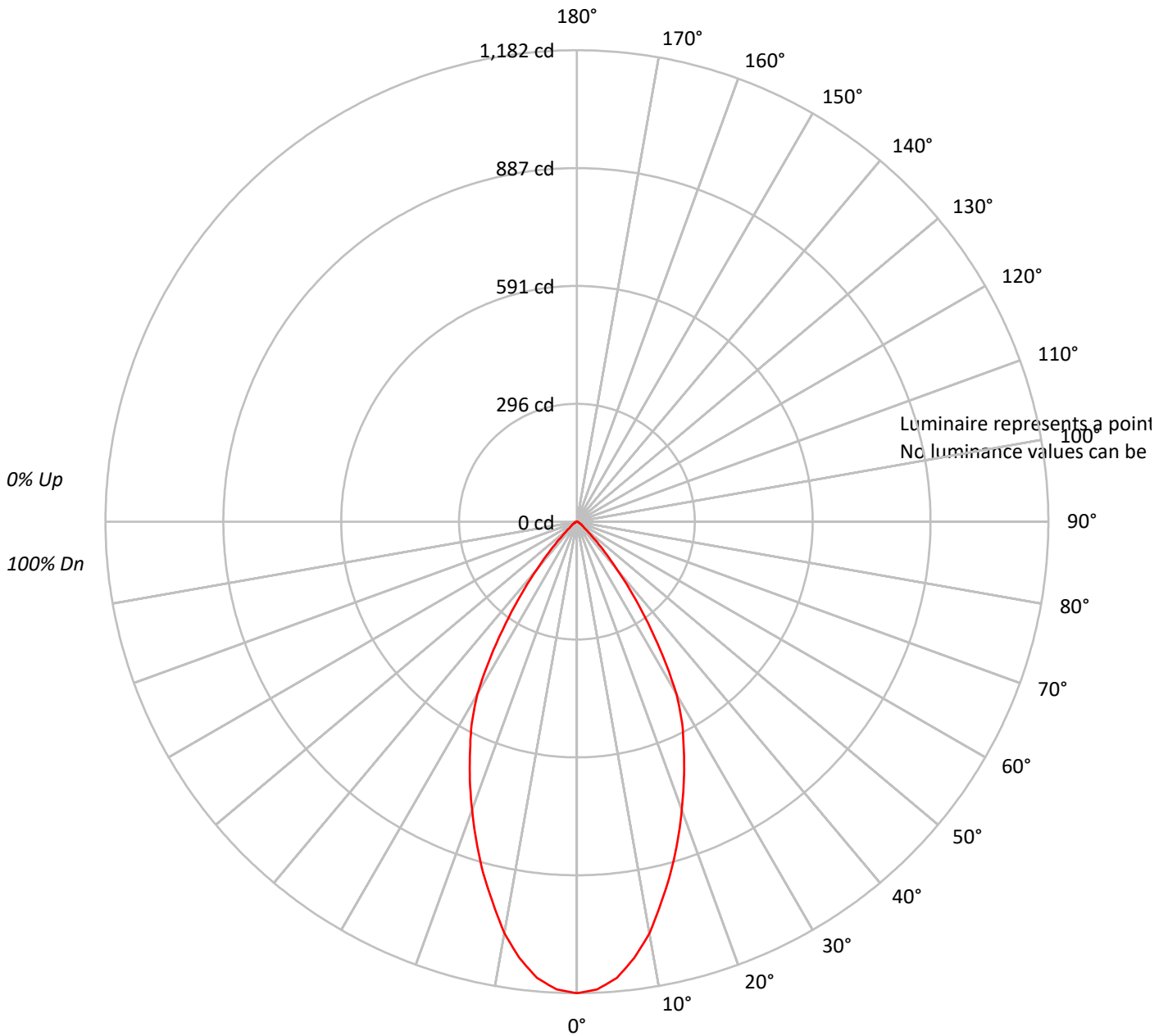
Lumens per Lamp: N/A  
Luminaire Lumens: 922.2 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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									
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																		
	1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																		
	2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87																		
	3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																		
	4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75																		
	5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70																		
	6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65																		
	7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																		
	8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58																		
	9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54																		
	10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51																		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	11.5
10°-20°	253.5	27.5
20°-30°	290.4	31.5
30°-40°	195.1	21.2
40°-50°	55.8	6.0
50°-60°	13.6	1.5
60°-70°	5.2	0.6
70°-80°	2.0	0.2
80°-90°	0.2	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°	650.2	70.5
0°-40°	845.3	91.7
0°-60°	914.7	99.2
0°-90°	922.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	922.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1182	
5°	1148	106
15°	910	253
25°	634	290
35°	311	195
45°	64	56
55°	15	14
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1182.1
2.5°	1173.7
5°	1148.4
7.5°	1103.0
10°	1047.6
12.5°	976.9
15°	909.7
17.5°	839.1
20°	768.4
22.5°	701.2
25°	633.9
27.5°	571.7
30°	499.4
32.5°	403.6
35°	311.1
37.5°	227.0
40°	156.4
42.5°	102.6
45°	63.9
47.5°	38.7
50°	23.5
52.5°	18.5
55°	15.1
57.5°	11.8
60°	8.4
62.5°	6.7
65°	5.0
67.5°	3.4
70°	3.4
72.5°	1.7
75°	1.7
77.5°	1.7
80°	1.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)