

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: P203955

Luminaire Tested: **LD6B15D010 EU6B10209730 6LBNB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203955  
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 EU6B10209730 6LBNB1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SPECULAR BLACK 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: 477.6 lumens  
Efficiency: N/A  
Efficacy: 33.4 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

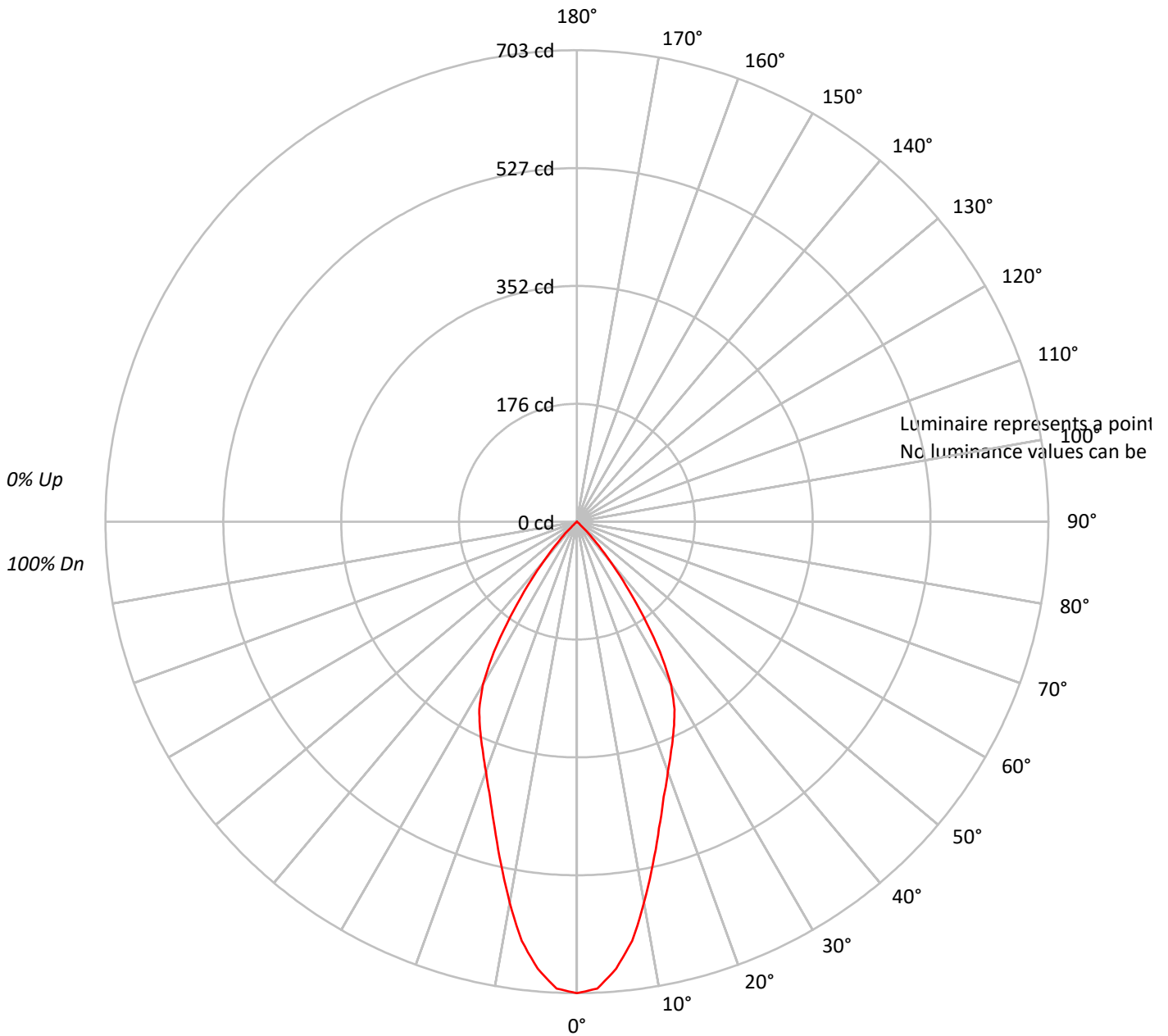
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203955

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBNB1

### Luminous Intensity Polar Plot





TEST NUMBER: P203955

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBNB1

**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			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88			
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82			
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77			
5	93	85	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72			
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67			
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63			
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60			
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	61	58	56			
10	74	64	59	55	73	64	58	55	63	58	55	62	58	55	62	57	54	53			

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





TEST NUMBER: P203955

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBNB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	12.8
10°-20°	132.9	27.8
20°-30°	156.2	32.7
30°-40°	107.5	22.5
40°-50°	19.9	4.2
50°-60°	0.0	0.0
60°-70°	0.0	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°	350.1	73.3
0°-40°	457.7	95.8
0°-60°	477.6	100.0
0°-90°	477.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	703	
5°	669	61
15°	473	133
25°	342	156
35°	173	108
45°	20	20
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203955

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBNB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	703.1
2.5°	696.8
5°	669.3
7.5°	630.5
10°	576.7
12.5°	522.9
15°	472.9
17.5°	430.4
20°	396.6
22.5°	367.8
25°	341.5
27.5°	315.3
30°	280.2
32.5°	230.2
35°	172.6
37.5°	120.1
40°	76.3
42.5°	42.5
45°	20.0
47.5°	6.3
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
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



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)