

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: P203737

Luminaire Tested: **LD6B15D010 EU6B10208027 6LBNWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203737  
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 EU6B10208027 6LBNWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH WHEAT 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: 945.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

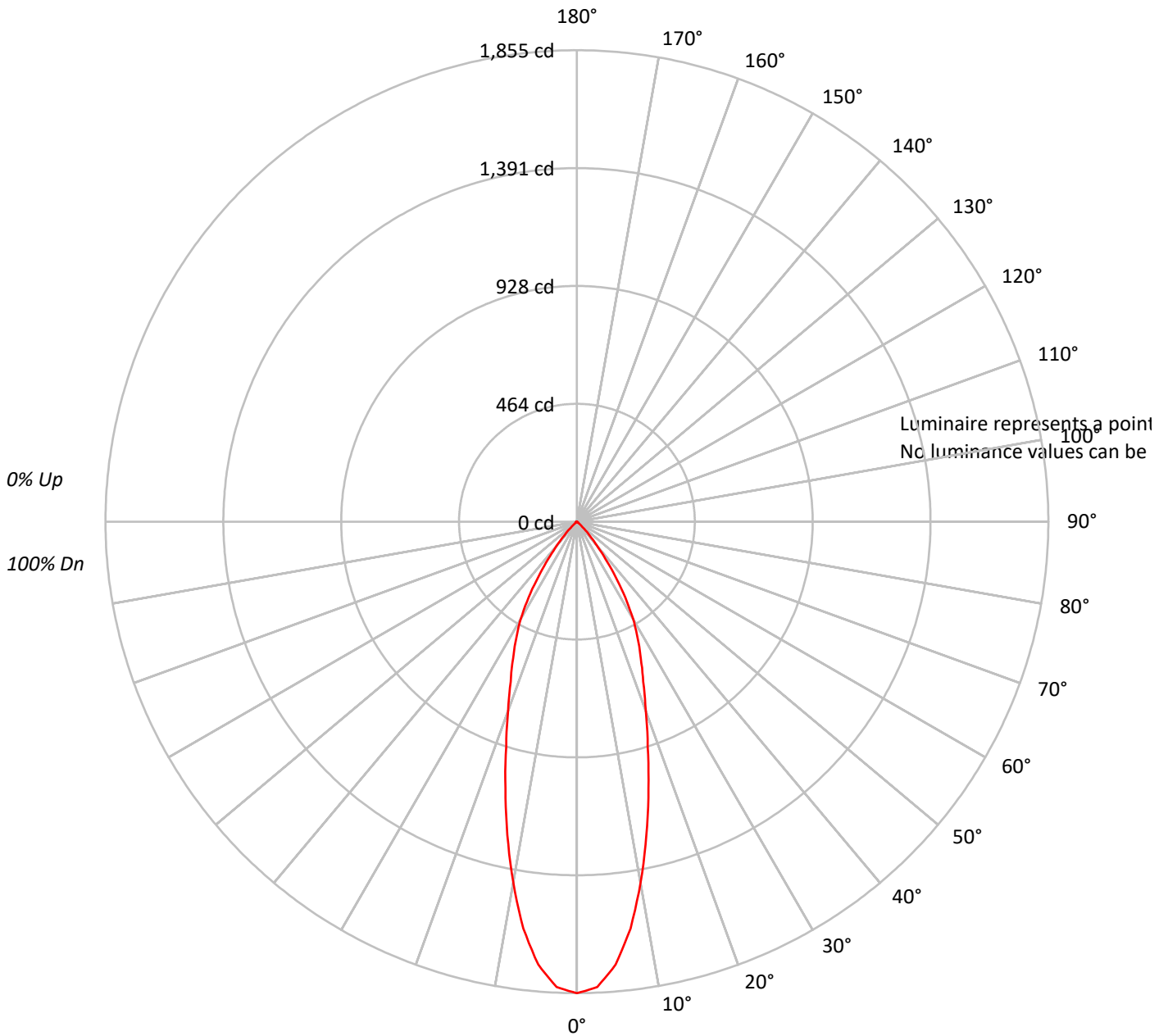
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203737

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBNWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203737

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBNWH1

**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	112	109	107	105	105	104	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70			
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66			
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

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





TEST NUMBER: P203737

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBNWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.1	16.6
10°-20°	301.8	31.9
20°-30°	274.4	29.0
30°-40°	166.3	17.6
40°-50°	37.9	4.0
50°-60°	4.8	0.5
60°-70°	2.2	0.2
70°-80°	0.6	0.1
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°	733.2	77.6
0°-40°	899.6	95.2
0°-60°	942.2	99.7
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1855	
5°	1749	157
15°	1087	302
25°	595	274
35°	264	166
45°	42	38
55°	5	5
65°	2	2
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203737

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBNWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1855.4
2.5°	1832.9
5°	1749.3
7.5°	1614.3
10°	1442.2
12.5°	1263.8
15°	1086.9
17.5°	926.1
20°	791.1
22.5°	681.7
25°	594.9
27.5°	517.7
30°	442.2
32.5°	353.7
35°	263.7
37.5°	184.9
40°	122.2
42.5°	75.6
45°	41.8
47.5°	19.3
50°	8.0
52.5°	6.4
55°	4.8
57.5°	4.8
60°	3.2
62.5°	3.2
65°	1.6
67.5°	1.6
70°	1.6
72.5°	1.6
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)