

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: P202502

Luminaire Tested: **LD6B15D010 EU6B10208027 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202502  
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 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 1474.3 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

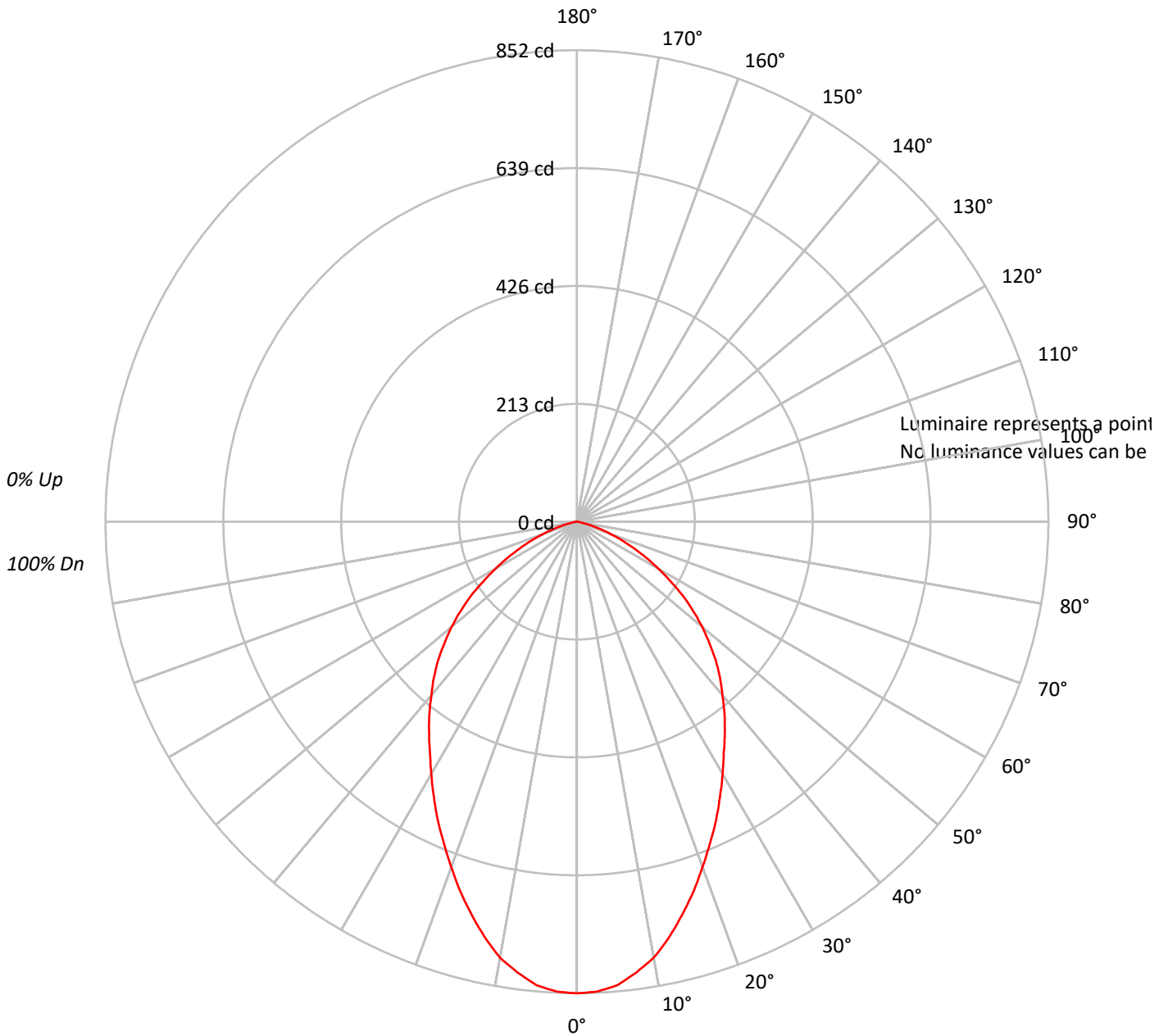
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202502

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202502

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWMH1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47				47
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35				35
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32				32

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





TEST NUMBER: P202502

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.9	5.3
10°-20°	206.2	14.0
20°-30°	273.4	18.5
30°-40°	291.6	19.8
40°-50°	272.6	18.5
50°-60°	207.9	14.1
60°-70°	113.1	7.7
70°-80°	30.3	2.1
80°-90°	0.4	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°	558.5	37.9
0°-40°	850.1	57.7
0°-60°	1330.5	90.2
0°-90°	1474.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	852	
5°	841	79
15°	735	206
25°	595	273
35°	466	292
45°	355	273
55°	234	208
65°	113	113
75°	26	30
85°	0	0
90°	0	



TEST NUMBER: P202502

CATALOG NUMBER: LD6B15D010 EU6B10208027 6LBSWMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	852.5
2.5°	849.8
5°	840.8
7.5°	821.8
10°	800.1
12.5°	769.4
15°	735.1
17.5°	700.8
20°	663.8
22.5°	628.6
25°	595.1
27.5°	559.9
30°	526.5
32.5°	494.0
35°	466.0
37.5°	438.0
40°	409.1
42.5°	382.9
45°	354.9
47.5°	324.2
50°	295.3
52.5°	264.6
55°	233.9
57.5°	200.5
60°	169.8
62.5°	140.9
65°	112.9
67.5°	87.6
70°	64.1
72.5°	44.3
75°	26.2
77.5°	11.7
80°	2.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)