

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: P204860

Luminaire Tested: **LD6B10D010 EU6B10208027 6LBCSMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204860  
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: LD6B10D010 EU6B10208027 6LBCSMB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 943.6 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

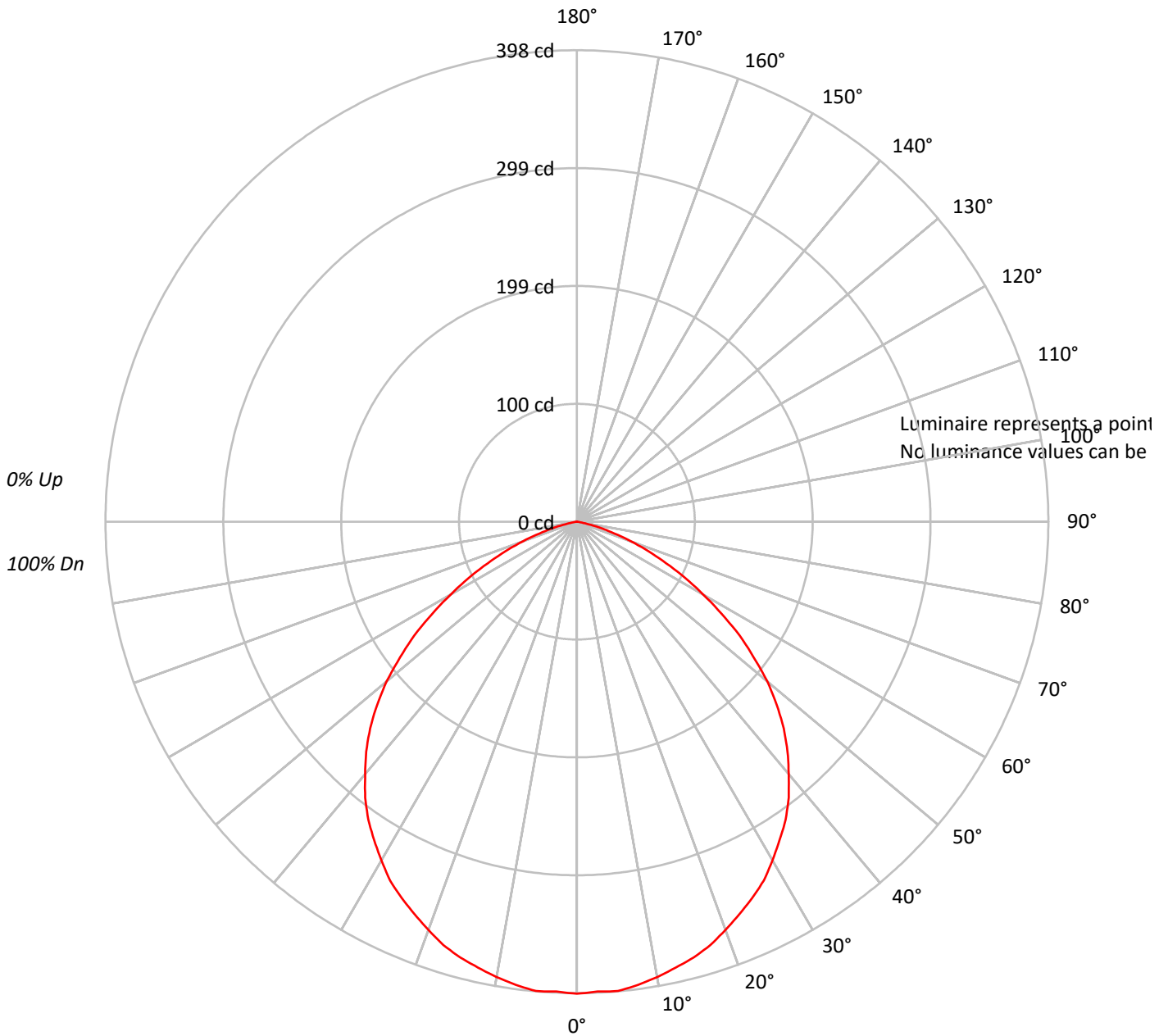
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204860

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBCSMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204860

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBCSMB1

**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
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			28

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





TEST NUMBER: P204860

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBCSMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	4.0
10°-20°	107.4	11.4
20°-30°	161.4	17.1
30°-40°	191.5	20.3
40°-50°	189.5	20.1
50°-60°	148.9	15.8
60°-70°	83.5	8.8
70°-80°	23.4	2.5
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°	306.5	32.5
0°-40°	498.0	52.8
0°-60°	836.4	88.6
0°-90°	943.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	398	
5°	398	38
15°	381	107
25°	350	161
35°	307	192
45°	247	190
55°	168	149
65°	83	83
75°	20	23
85°	0	0
90°	0	



TEST NUMBER: P204860

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBCSMB1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	398.5
2.5°	397.1
5°	397.8
7.5°	394.4
10°	390.4
12.5°	385.6
15°	380.9
17.5°	374.8
20°	366.7
22.5°	358.6
25°	350.4
27.5°	341.6
30°	330.1
32.5°	318.6
35°	307.1
37.5°	293.6
40°	278.1
42.5°	263.2
45°	246.9
47.5°	228.7
50°	209.7
52.5°	188.1
55°	167.8
57.5°	144.8
60°	123.1
62.5°	103.5
65°	83.2
67.5°	65.6
70°	48.7
72.5°	33.1
75°	20.3
77.5°	10.1
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)