

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: P204758

Luminaire Tested: **LD6B10D010 EU6B10208030 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204758  
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 EU6B10208030 6LBCSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE WHITE 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: 1167.6 lumens  
Efficiency: N/A  
Efficacy: 117.9 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

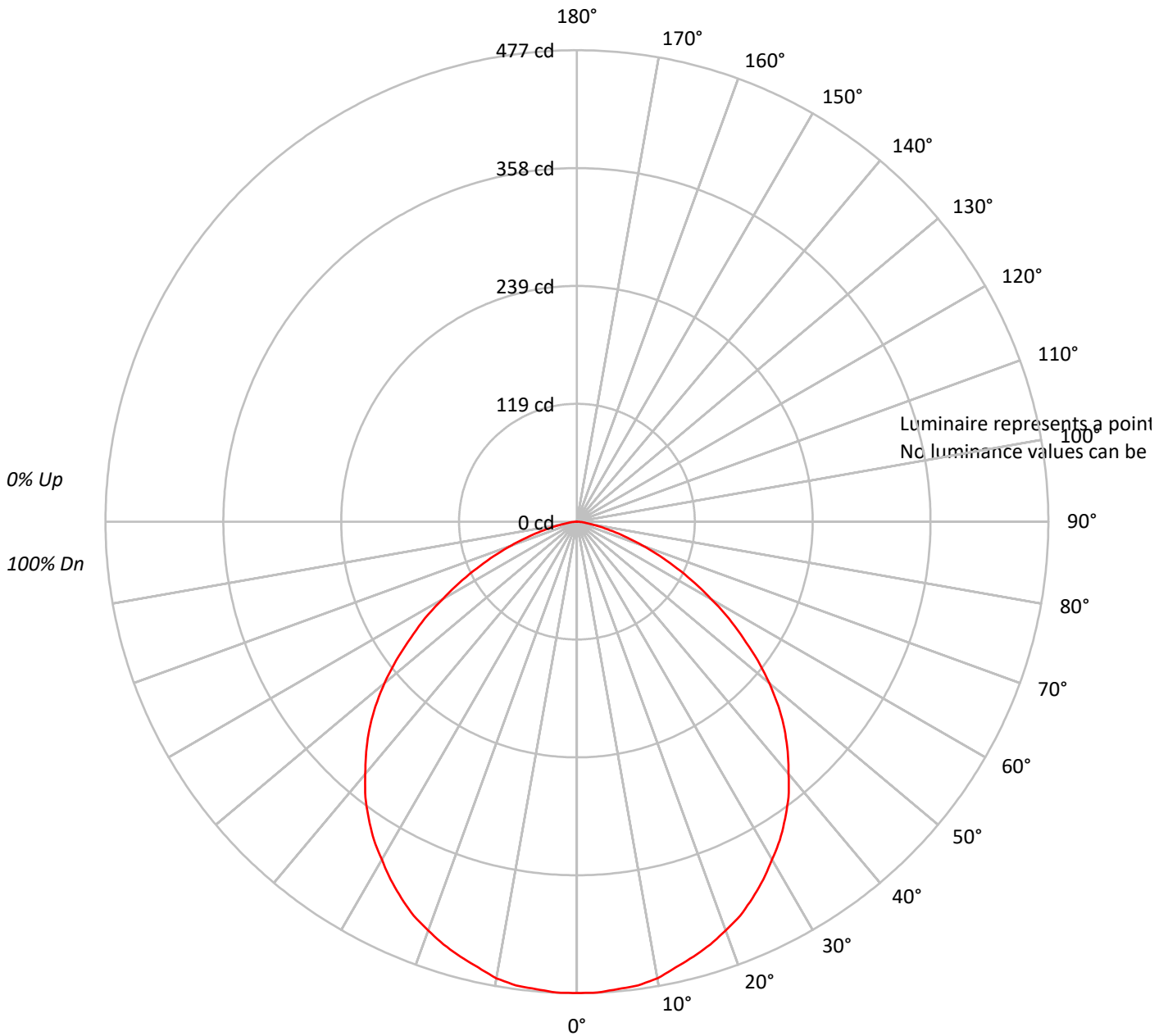
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204758

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBCSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204758

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBCSMW1

**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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

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





TEST NUMBER: P204758

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBCSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	3.9
10°-20°	128.6	11.0
20°-30°	193.5	16.6
30°-40°	229.3	19.6
40°-50°	228.2	19.5
50°-60°	184.0	15.8
60°-70°	111.3	9.5
70°-80°	41.4	3.5
80°-90°	6.2	0.5
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°	367.3	31.5
0°-40°	596.6	51.1
0°-60°	1008.8	86.4
0°-90°	1167.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	477	
5°	475	45
15°	456	129
25°	420	193
35°	367	229
45°	297	228
55°	205	184
65°	112	111
75°	38	41
85°	5	6
90°	0	



TEST NUMBER: P204758

CATALOG NUMBER: LD6B10D010 EU6B10208030 6LBCSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	476.9
2.5°	476.9
5°	474.7
7.5°	473.3
10°	469.1
12.5°	462.0
15°	455.6
17.5°	448.6
20°	440.1
22.5°	431.6
25°	420.3
27.5°	408.2
30°	394.8
32.5°	382.1
35°	367.2
37.5°	351.6
40°	333.2
42.5°	315.5
45°	297.2
47.5°	276.6
50°	254.0
52.5°	230.6
55°	205.2
57.5°	182.5
60°	157.1
62.5°	134.4
65°	111.8
67.5°	90.6
70°	70.8
72.5°	53.1
75°	37.5
77.5°	24.1
80°	14.2
82.5°	8.5
85°	5.0
87.5°	2.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)