

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: P203174

Luminaire Tested: **LD6B50D010TE EU6B30508040 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203174  
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: LD6B50D010TE EU6B30508040 6LBWMW1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5233.2 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

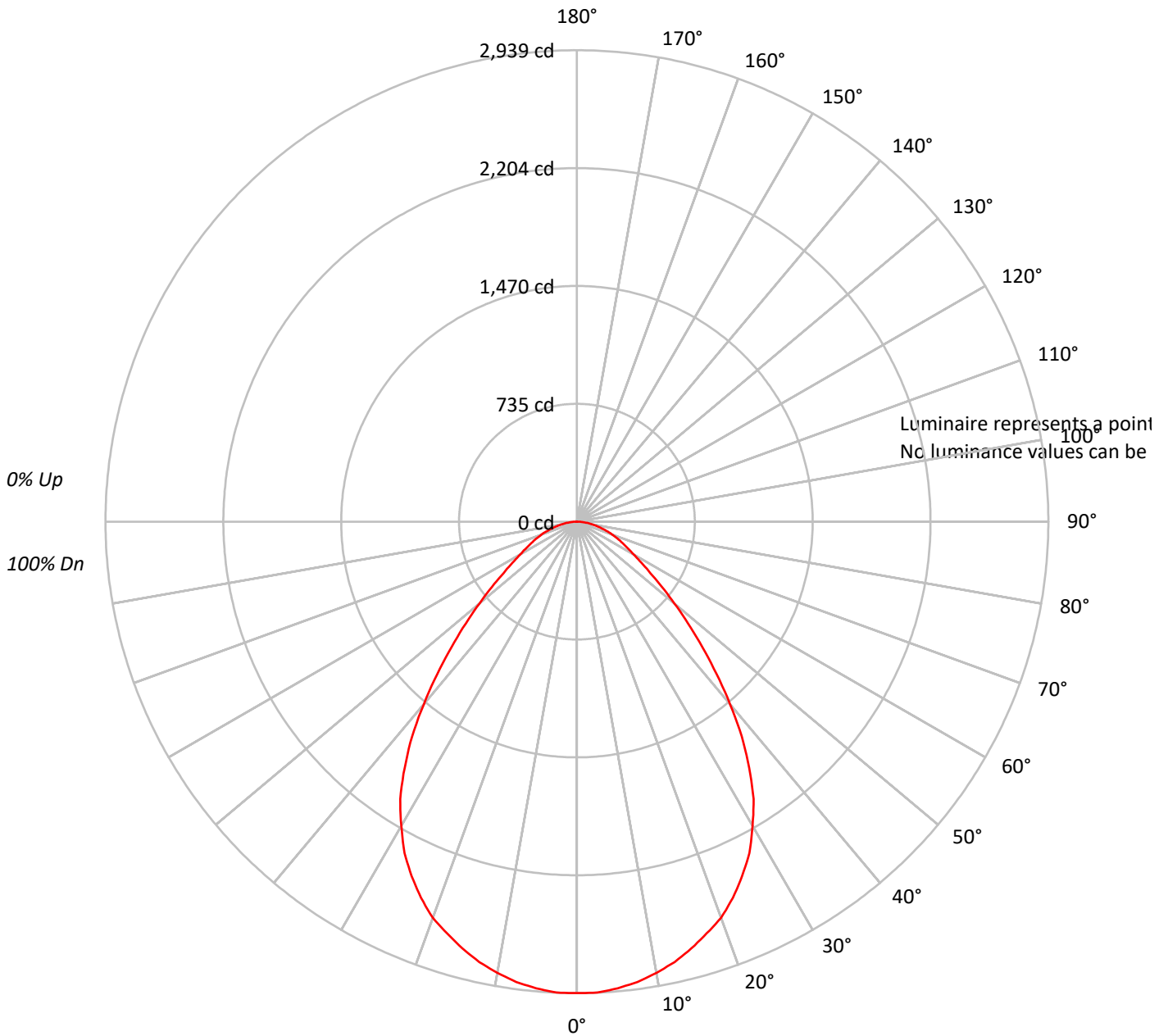
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203174

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBWMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203174

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBWMW1

**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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			34

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





TEST NUMBER: P203174

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBWMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.8	5.3
10°-20°	776.1	14.8
20°-30°	1118.3	21.4
30°-40°	1161.1	22.2
40°-50°	858.4	16.4
50°-60°	512.8	9.8
60°-70°	311.6	6.0
70°-80°	170.7	3.3
80°-90°	47.5	0.9
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°	2171.2	41.5
0°-40°	3332.3	63.7
0°-60°	4703.5	89.9
0°-90°	5233.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5233.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2939	
5°	2920	277
15°	2755	776
25°	2437	1118
35°	1872	1161
45°	1104	858
55°	559	513
65°	311	312
75°	159	171
85°	38	47
90°	0	



TEST NUMBER: P203174

CATALOG NUMBER: LD6B50D010TE EU6B30508040 6LBWMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2938.8
2.5°	2938.8
5°	2919.7
7.5°	2894.3
10°	2856.3
12.5°	2811.8
15°	2754.7
17.5°	2691.2
20°	2627.8
22.5°	2538.9
25°	2437.3
27.5°	2329.4
30°	2189.8
32.5°	2050.2
35°	1872.4
37.5°	1688.4
40°	1485.3
42.5°	1288.5
45°	1104.4
47.5°	939.4
50°	793.4
52.5°	666.5
55°	558.6
57.5°	476.0
60°	406.2
62.5°	355.4
65°	311.0
67.5°	272.9
70°	234.8
72.5°	196.8
75°	158.7
77.5°	126.9
80°	95.2
82.5°	69.8
85°	38.1
87.5°	19.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)