

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: P203578

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203578  
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: LD6B40D010 EU6B30509035 6LBMMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2902.3 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

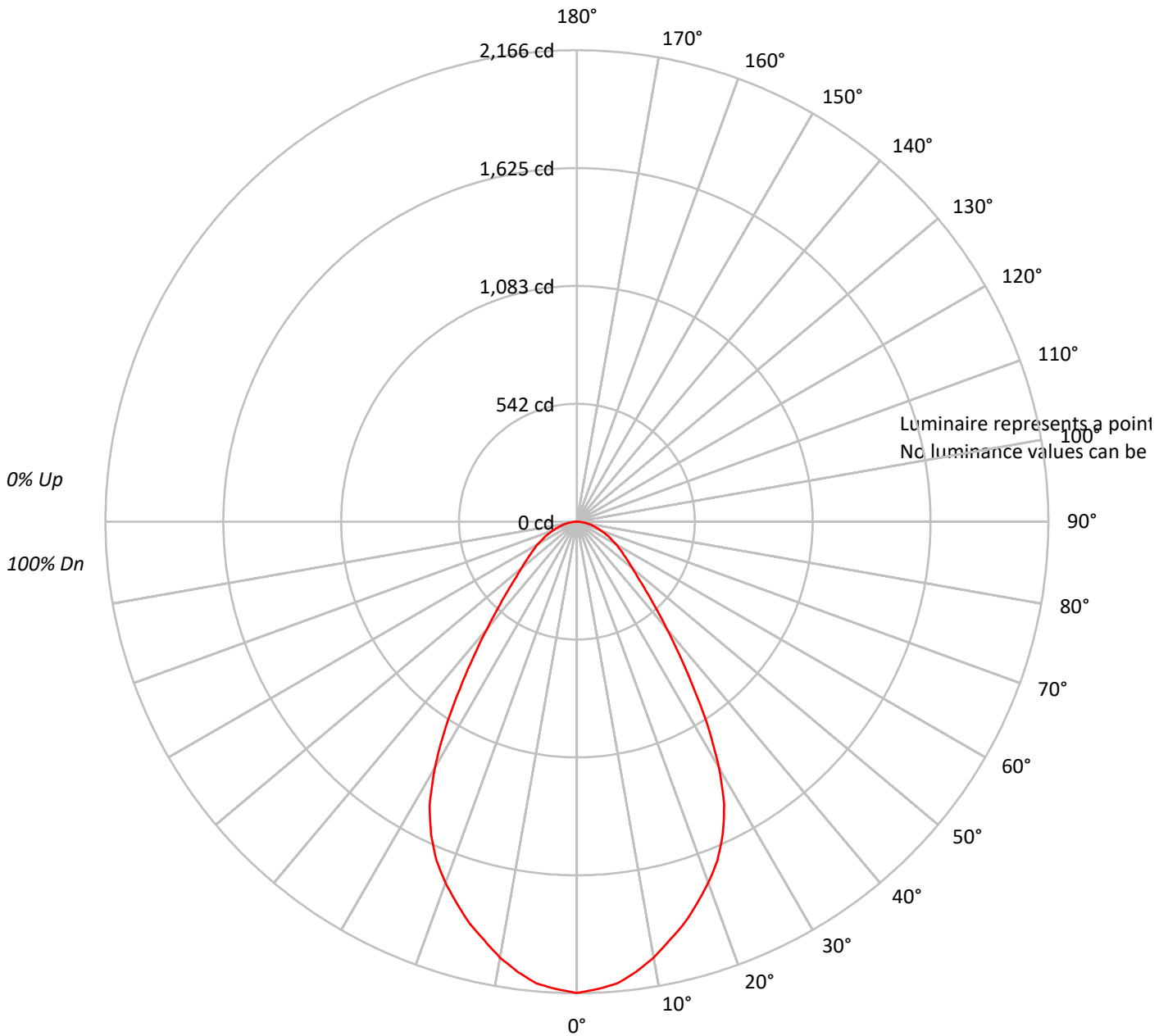
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203578

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203578

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMMW1

**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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

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





TEST NUMBER: P203578

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.1	6.9
10°-20°	535.9	18.5
20°-30°	719.5	24.8
30°-40°	590.2	20.3
40°-50°	354.4	12.2
50°-60°	235.5	8.1
60°-70°	157.9	5.4
70°-80°	85.0	2.9
80°-90°	23.9	0.8
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°	1455.4	50.1
0°-40°	2045.6	70.5
0°-60°	2635.6	90.8
0°-90°	2902.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2166	
5°	2130	200
15°	1909	536
25°	1585	720
35°	937	590
45°	448	354
55°	260	236
65°	160	158
75°	80	85
85°	20	24
90°	0	



TEST NUMBER: P203578

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMMW1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2165.6
2.5°	2149.6
5°	2129.6
7.5°	2085.6
10°	2033.5
12.5°	1969.5
15°	1909.4
17.5°	1837.4
20°	1765.3
22.5°	1685.3
25°	1585.2
27.5°	1465.1
30°	1305.0
32.5°	1124.8
35°	936.7
37.5°	776.6
40°	640.5
42.5°	532.4
45°	448.3
47.5°	380.3
50°	332.2
52.5°	292.2
55°	260.2
57.5°	232.2
60°	208.2
62.5°	180.1
65°	160.1
67.5°	136.1
70°	116.1
72.5°	96.1
75°	80.1
77.5°	64.0
80°	48.0
82.5°	36.0
85°	20.0
87.5°	8.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)