

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: P205122

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBMLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205122  
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 6LBMLI1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR 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: 3238.1 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

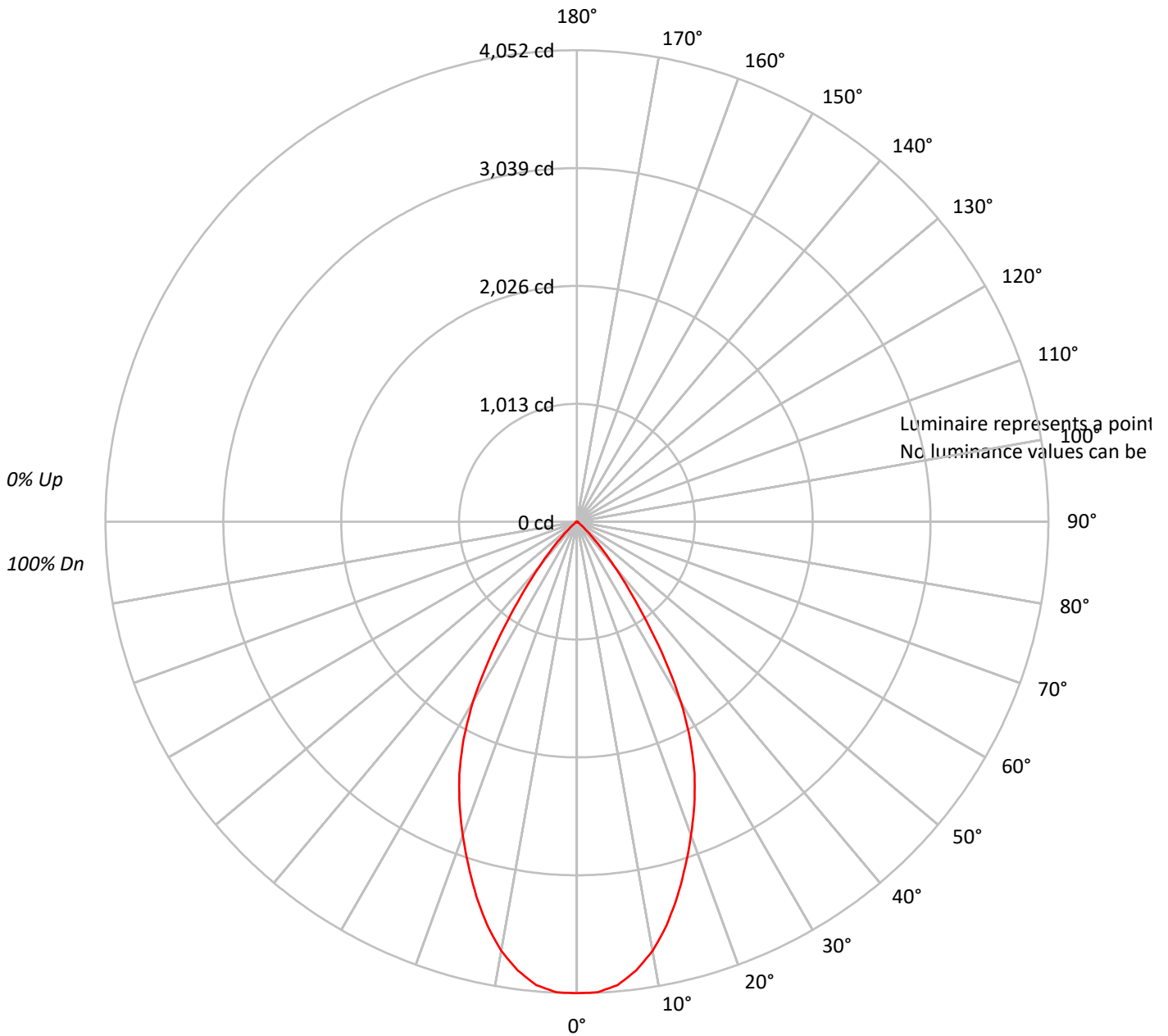
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205122

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205122

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMLI1

**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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

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





TEST NUMBER: P205122

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.3	11.5
10°-20°	929.4	28.7
20°-30°	1080.4	33.4
30°-40°	661.6	20.4
40°-50°	164.3	5.1
50°-60°	19.2	0.6
60°-70°	7.1	0.2
70°-80°	2.7	0.1
80°-90°	0.0	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°	2383.2	73.6
0°-40°	3044.8	94.0
0°-60°	3228.3	99.7
0°-90°	3238.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3238.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4052	
5°	3999	373
15°	3336	929
25°	2391	1080
35°	1036	662
45°	182	164
55°	17	19
65°	8	7
75°	4	3
85°	0	0
90°	0	



TEST NUMBER: P205122

CATALOG NUMBER: LD6B40D010 EU6B30509035 6LBMLI1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4052.5
2.5°	4048.3
5°	3998.6
7.5°	3890.9
10°	3745.8
12.5°	3555.2
15°	3335.6
17.5°	3099.4
20°	2867.4
22.5°	2635.3
25°	2390.9
27.5°	2109.1
30°	1785.9
32.5°	1408.8
35°	1035.9
37.5°	729.3
40°	497.2
42.5°	310.8
45°	182.3
47.5°	103.6
50°	53.9
52.5°	24.9
55°	16.6
57.5°	12.4
60°	12.4
62.5°	8.3
65°	8.3
67.5°	4.1
70°	4.1
72.5°	4.1
75°	4.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)