

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: P204133

Luminaire Tested: **LD6B70D010TE EU6B60709040 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204133  
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: LD6B70D010TE EU6B60709040 6LBNMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW 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: 4439.2 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

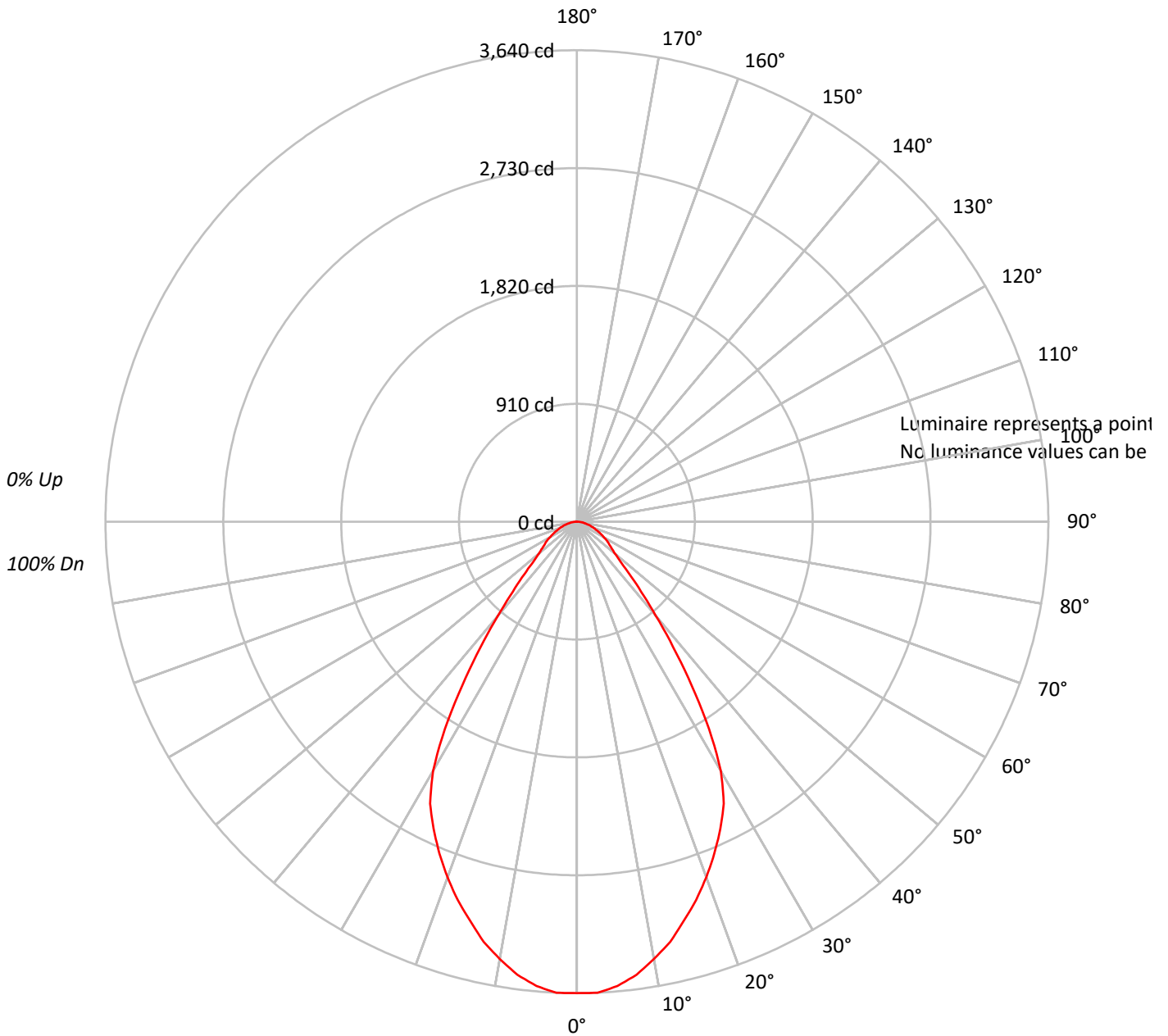
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204133

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBNMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P204133

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBNMW1

**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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90			
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66			
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44			
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41			

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





TEST NUMBER: P204133

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBNMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.0	7.6
10°-20°	896.1	20.2
20°-30°	1196.3	26.9
30°-40°	965.2	21.7
40°-50°	462.6	10.4
50°-60°	274.2	6.2
60°-70°	182.3	4.1
70°-80°	97.7	2.2
80°-90°	26.9	0.6
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°	2430.4	54.7
0°-40°	3395.6	76.5
0°-60°	4132.4	93.1
0°-90°	4439.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4439.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3640	
5°	3598	338
15°	3189	896
25°	2618	1196
35°	1545	965
45°	572	463
55°	303	274
65°	183	182
75°	92	98
85°	21	27
90°	0	



TEST NUMBER: P204133

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBNMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3640.5
2.5°	3640.5
5°	3598.2
7.5°	3527.7
10°	3428.9
12.5°	3323.1
15°	3189.0
17.5°	3062.0
20°	2920.9
22.5°	2772.7
25°	2617.5
27.5°	2455.3
30°	2222.4
32.5°	1897.9
35°	1545.1
37.5°	1220.6
40°	945.4
42.5°	733.8
45°	571.5
47.5°	451.5
50°	381.0
52.5°	338.7
55°	303.4
57.5°	275.2
60°	239.9
62.5°	211.7
65°	183.4
67.5°	155.2
70°	134.1
72.5°	112.9
75°	91.7
77.5°	70.6
80°	56.4
82.5°	42.3
85°	21.2
87.5°	7.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)