

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: P203844

Luminaire Tested: **LD6B15D010 EU6B10208050 6LBNGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203844  
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: LD6B15D010 EU6B10208050 6LBNGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W  
DL3-15.28 W DLE-15.432 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 763.5 lumens  
Efficiency: N/A  
Efficacy: 53.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.88  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

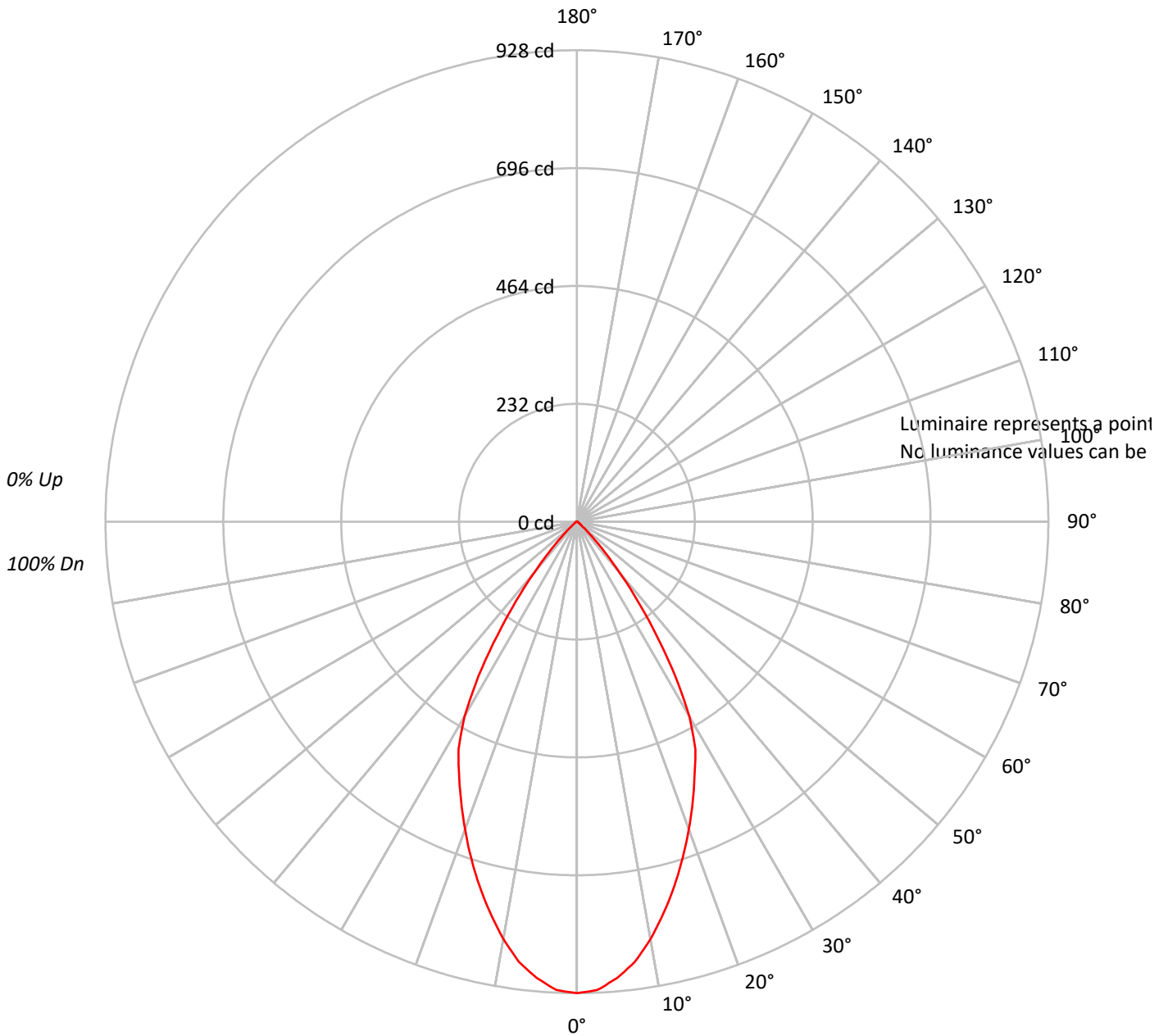
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	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	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																												
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																												
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																												
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																												
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70																												
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66																												
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																												
8	80	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58																												
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																												
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.0	11.0
10°-20°	207.2	27.1
20°-30°	251.0	32.9
30°-40°	171.1	22.4
40°-50°	40.7	5.3
50°-60°	6.4	0.8
60°-70°	2.3	0.3
70°-80°	0.7	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°	542.3	71.0
0°-40°	713.3	93.4
0°-60°	760.5	99.6
0°-90°	763.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	928	
5°	902	84
15°	742	207
25°	548	251
35°	273	171
45°	44	41
55°	7	6
65°	2	2
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	928.1
2.5°	922.8
5°	901.9
7.5°	874.1
10°	834.0
12.5°	788.8
15°	741.8
17.5°	693.0
20°	644.2
22.5°	595.5
25°	548.5
27.5°	504.9
30°	442.3
32.5°	360.4
35°	273.4
37.5°	195.0
40°	128.8
42.5°	80.1
45°	43.5
47.5°	22.6
50°	12.2
52.5°	8.7
55°	7.0
57.5°	5.2
60°	3.5
62.5°	3.5
65°	1.7
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)