

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: P202506

Luminaire Tested: **LD6B15D010 EU6B10209024 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202506  
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 EU6B10209024 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM 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: 1113.7 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

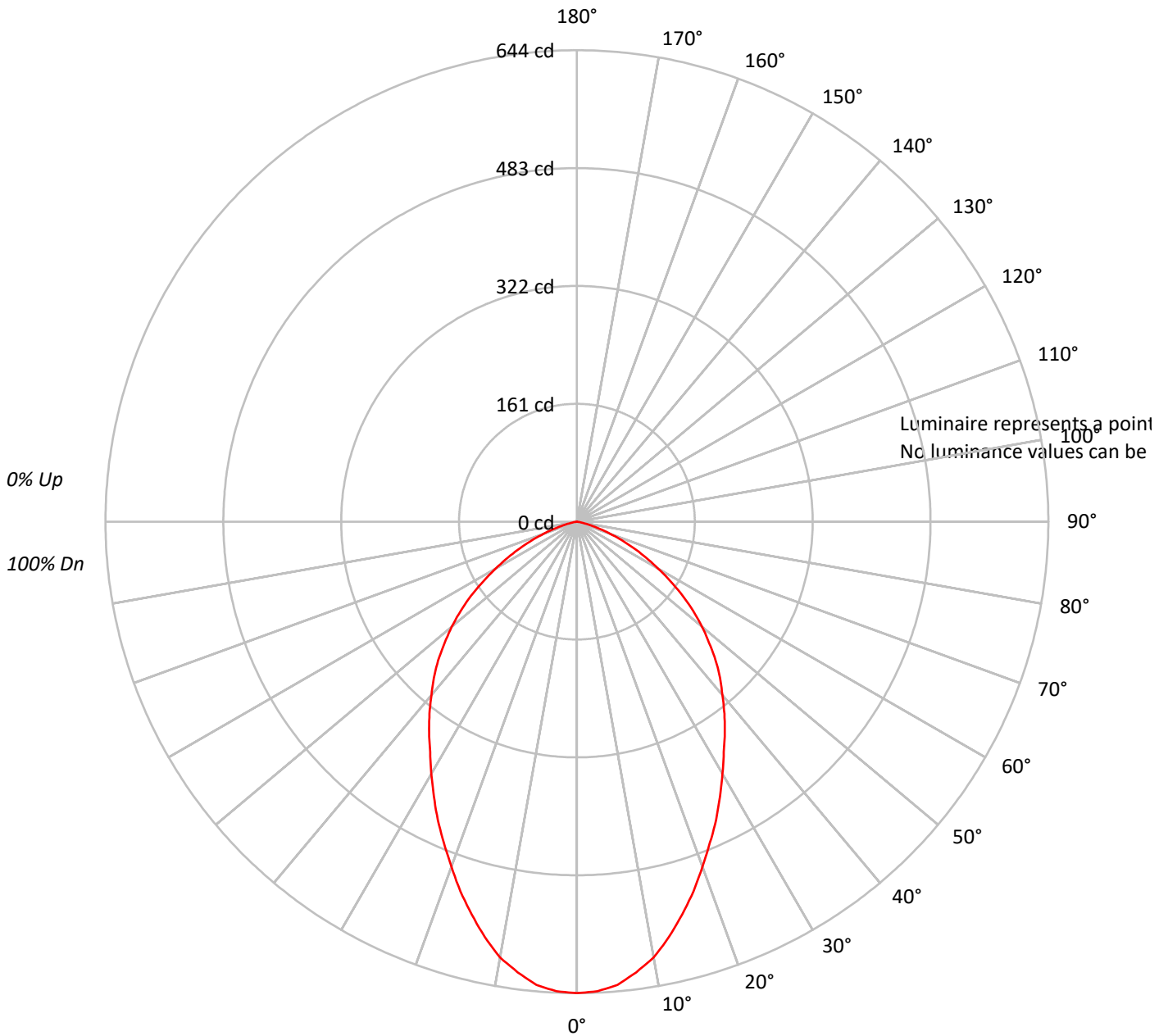
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.6	5.3
10°-20°	155.7	14.0
20°-30°	206.5	18.5
30°-40°	220.3	19.8
40°-50°	205.9	18.5
50°-60°	157.0	14.1
60°-70°	85.4	7.7
70°-80°	22.9	2.1
80°-90°	0.3	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°	421.9	37.9
0°-40°	642.2	57.7
0°-60°	1005.1	90.2
0°-90°	1113.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1113.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	644	
5°	635	60
15°	555	156
25°	450	207
35°	352	220
45°	268	206
55°	177	157
65°	85	85
75°	20	23
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	644.0
2.5°	642.0
5°	635.1
7.5°	620.8
10°	604.4
12.5°	581.2
15°	555.3
17.5°	529.4
20°	501.4
22.5°	474.8
25°	449.6
27.5°	423.0
30°	397.7
32.5°	373.2
35°	352.0
37.5°	330.9
40°	309.0
42.5°	289.3
45°	268.1
47.5°	244.9
50°	223.1
52.5°	199.9
55°	176.7
57.5°	151.5
60°	128.3
62.5°	106.4
65°	85.3
67.5°	66.2
70°	48.4
72.5°	33.4
75°	19.8
77.5°	8.9
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)