

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: P252770

Luminaire Tested: **LD6B15D010 EU6B10209024 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252770  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10209024 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1348.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

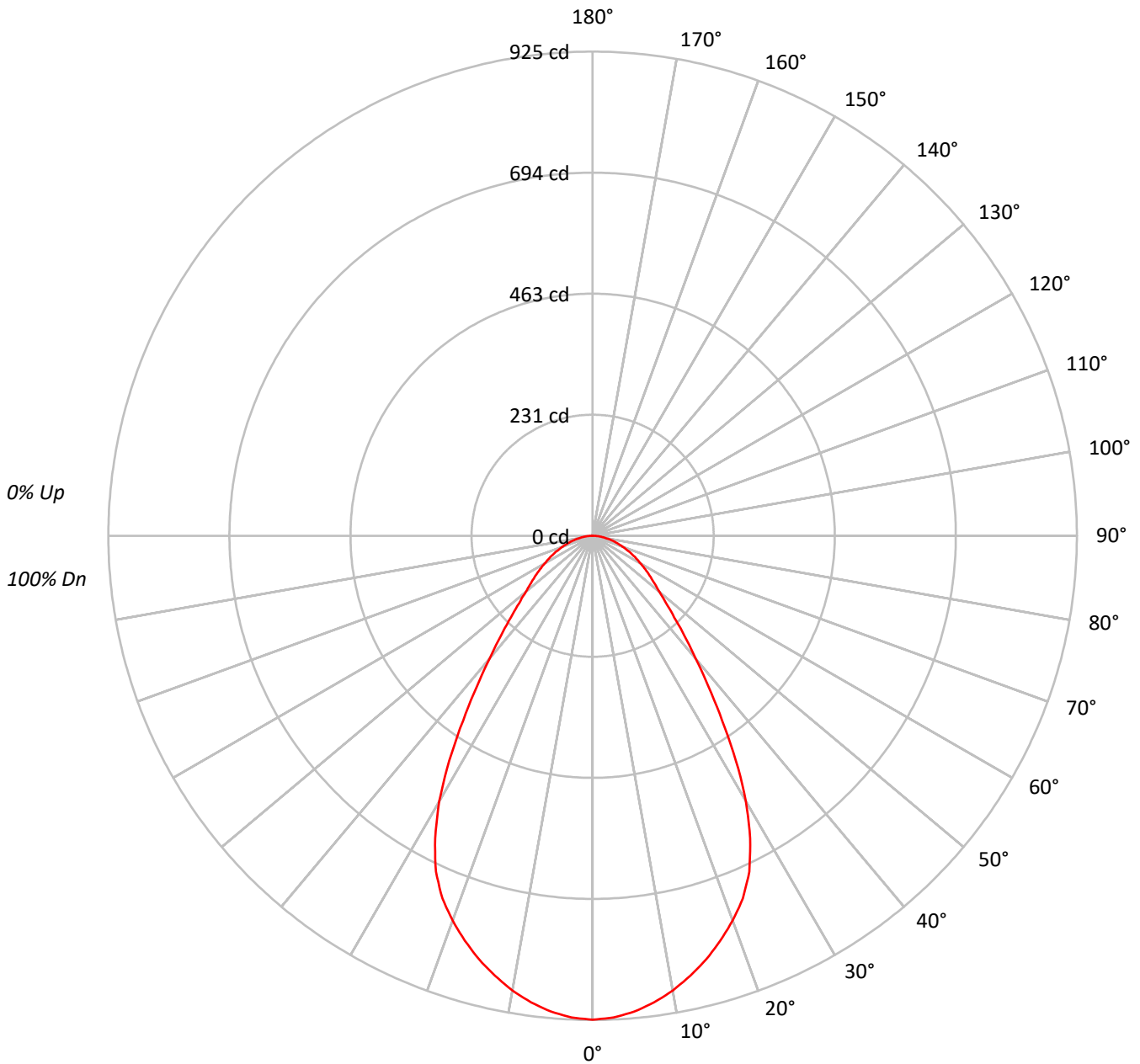
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

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

	0°
0°	60321
5°	59766
10°	58450
15°	56593
20°	54306
25°	50980
30°	44115
35°	34351
40°	26103
45°	20353
50°	16879
55°	15151
60°	13792
65°	12736
70°	11693
75°	10839
80°	9806
85°	8983



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	6.4
10°-20°	235.4	17.5
20°-30°	320.6	23.8
30°-40°	271.3	20.1
40°-50°	174.1	12.9
50°-60°	119.8	8.9
60°-70°	81.8	6.1
70°-80°	45.5	3.4
80°-90°	13.3	1.0
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°	642.2	47.6
0°-40°	913.5	67.8
0°-60°	1207.3	89.6
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	925	
5°	913	86
15°	838	235
25°	708	321
35°	431	271
45°	221	174
55°	133	120
65°	82	82
75°	43	46
85°	12	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	924.6
2.5°	921.0
5°	912.6
7.5°	899.2
10°	882.3
12.5°	861.1
15°	837.9
17.5°	811.1
20°	782.2
22.5°	749.8
25°	708.2
27.5°	651.8
30°	585.6
32.5°	509.5
35°	431.3
37.5°	362.9
40°	306.5
42.5°	259.3
45°	220.6
47.5°	190.3
50°	166.3
52.5°	148.0
55°	133.2
57.5°	119.1
60°	105.7
62.5°	93.7
65°	82.5
67.5°	71.2
70°	61.3
72.5°	51.4
75°	43.0
77.5°	34.5
80°	26.1
82.5°	19.0
85°	12.0
87.5°	4.9
90°	0.0



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— 0°-180°







(END OF REPORT)