

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: P252763

Luminaire Tested: **LD6B10D010 EU6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252763  
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: LD6B10D010 EU6B10209727 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 966.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

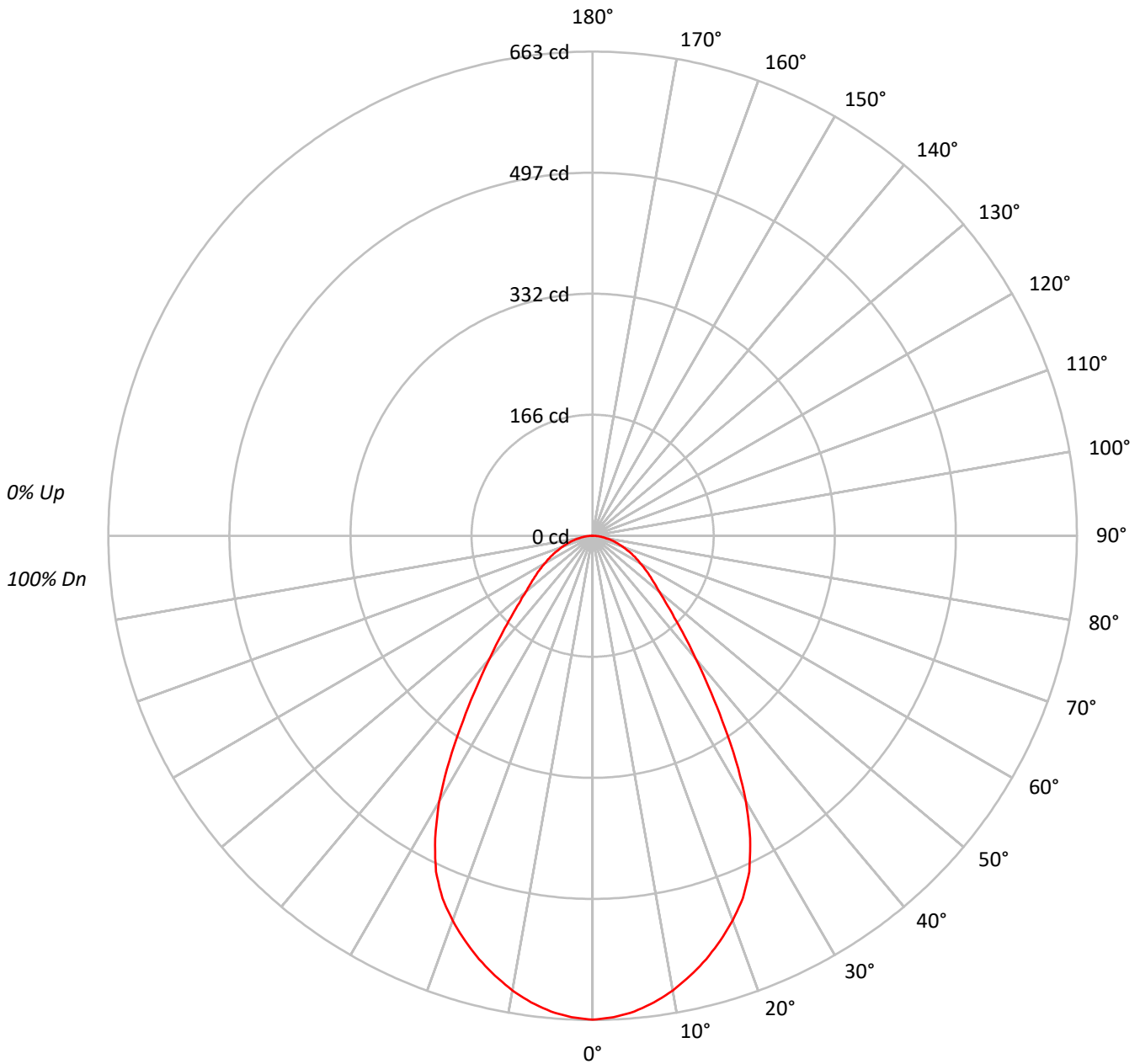
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	43228
5°	42830
10°	41888
15°	40552
20°	38921
25°	36532
30°	31617
35°	24618
40°	18711
45°	14587
50°	12098
55°	10851
60°	9890
65°	9123
70°	8374
75°	7764
80°	7026
85°	6438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.7	6.4
10°-20°	168.7	17.5
20°-30°	229.8	23.8
30°-40°	194.4	20.1
40°-50°	124.7	12.9
50°-60°	85.8	8.9
60°-70°	58.6	6.1
70°-80°	32.6	3.4
80°-90°	9.5	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°	460.2	47.6
0°-40°	654.6	67.8
0°-60°	865.2	89.6
0°-90°	966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	663	
5°	654	62
15°	600	169
25°	508	230
35°	309	194
45°	158	125
55°	95	86
65°	59	59
75°	31	33
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	662.6
2.5°	660.0
5°	654.0
7.5°	644.4
10°	632.3
12.5°	617.1
15°	600.4
17.5°	581.3
20°	560.6
22.5°	537.3
25°	507.5
27.5°	467.1
30°	419.7
32.5°	365.1
35°	309.1
37.5°	260.1
40°	219.7
42.5°	185.8
45°	158.1
47.5°	136.4
50°	119.2
52.5°	106.1
55°	95.4
57.5°	85.3
60°	75.8
62.5°	67.2
65°	59.1
67.5°	51.0
70°	43.9
72.5°	36.9
75°	30.8
77.5°	24.7
80°	18.7
82.5°	13.6
85°	8.6
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)